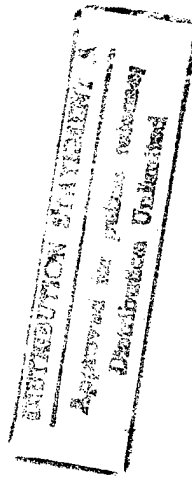


DEPARTMENT OF THE AIR FORCE

COMMITTEE STAFF PROCUREMENT BACKUP BOOK
FY 1998/1999 BIENNIAL BUDGET ESTIMATES
FEBRUARY 1997



19970314 015

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

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**Volume I
AIRCRAFT PROCUREMENT**

FY 1998/99 PRESIDENT'S BUDGET SUBMISSION
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AIRCRAFT PROCUREMENT, AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things; to remain available for obligation until September 30.

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**GLOSSARY
OF ACRONYMS**

AGM - Air-to-Ground Missile
AIM - Air Intercept Missile
AIS - Avionics Intermediate Shop
ACMI - Aircraft Combat Maneuvering Instrumentation
AMRAAM - Advanced Medium-Range Air-to-Air Missile
AUTODIN - Automated Digital Network
AWACS - Airborne Warning and Control System
BLSS - Base Level Self-Sufficiency Spares
BY - Budget Year
C3 - Command, Control, and Communication System
CFE - Contractor Furnished Equipment
CONUS - Continental United States
CPMS - Comprehensive Power Management System
CPT - Cockpit Procedures Trainer
CRA - Continuing Resolution Authority
CTS - Countermeasures Test Set
CY - Current Year
DDTE - Design, Development, Test and Evaluation
ECCM - Electronic Counter Counter Measures
ECM - Electronic Counter Measures
ECO - Engineering Change Orders
EOQ - Economic Order Quantity
ECP - Engineering Change Proposal
EPA - Economic Price Adjustment
EW - Electronic Warfare
EWAISP - Electronic Warfare Avionics Integration Support Facility
FLIR - Forward Looking Infra Red
FOT&E - Follow-on Test and Evaluation
FOC - Fully Operational Capability
FLTS - Flight Line Test Set

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FPIF - Fixed Price Incentive Firm
FPIS - Fixed Price Incentive Fee, Successive Targets
GFE - Government Furnished Equipment
GPS - Global Positioning System
GSE - Ground Support Equipment
IOC - Initial Operating Capability
IPE - Increased Performance Engine
LANTRN - Low Altitude Navigation and Targeting Infra Red System for Night
METS - Mobile Electronic Test Stations
MYP - Multiyear Procurement
MSIP - Multi-Stage Improvement Program
NMC Rate - Not Mission Capable Rate
OFP - Operational Flight Program
OT&E - Operational Test and Evaluation
OWRM - Other War Reserve Material
PAGEL - Priced Aerospace Ground Equipment List
PB - President's Budget
PGSE - Peculiar Ground Support Equipment
PMC - Procurement Method Code
PR - Purchase Request
PTT - Part Task Trainer
PY - Prior Year
R&M - Reliability and Maintainability
RAA - Required Asset Availability
RDT&E - Research, Development, Test and Evaluation
RWR - Radar Warning Receiver
ROM - Rough Order of Magnitude
SAM - Surface-to-Air Missile
SS - Sole Source
SOF - Special Operation Force
TAF - Tactical Air Force
TEWS - Tactical Electronic Warfare System
TISS - TEWS Intermediate Support System

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TOA - Total Obligation Authority
WMP - War Mobilization Plan
WRM - War Reserve Material
WST - Weapon System Trainer
UHF - Ultra High Frequency
VHSIC - Very High Speed Integrated Circuit

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ORGANIZATIONS

ACC - Air Combat Command
AFMC - Air Force Material Command
ALC - Air Logistics Center
ASC - Aeronautical Systems Center
ATC - Air Training Command
FAA - Federal Aviation Administration
NATO - North Atlantic Treaty Organization
OSD - Office of the Secretary of Defense
PACAF - Pacific Air Forces
USAFE - United States Air Forces Europe

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TERMS

Advanced Buy - Obligating fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts

Avionics - Electronic equipment on-board aircraft

Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers

Chaff Flare - Radar and infrared countermeasures

Depot - Wholesale level repair and supply point

Drone - An object used for target practice

Fly by wire - Full authority electronic flight control system

Ground Clutter - Objects on the ground which cause distorted or misleading radar readings

Interdiction - Operational term for behind the front line bombing

Inter theater - Global

Intratheater - Within given area

Mobilization - The ability to move war fighting equipment from one place to another

Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16

Off the Shelf - Commercially available equipment

Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and returned for use in serviceable condition

Prototype - A working model transforming a developmental idea into reality

Provisioning - The process of determining and contracting for spare parts required to support new production systems for the initial support period

Pylon - Munitions adapter

Readiness - Ability to go to war and support initial deployment

Robotics - Automated manufacturing technique

S-Band - Radio frequency spectrums from 1550 to 3900 MHZ

Solicitation - The process of requesting proposals from private industry for goods and services required by the government

Surge - The period of time between normal operations and increased operations

Sustainability - Ability to sustain wartime combat rates after initial surge

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DEPARTMENT OF THE AIR FORCE

FY 1998/1999 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

FEB 1997

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY	FY 1996	FY 1997	FY 1998	FY 1999
01. COMBAT AIRCRAFT	1,311.8	616.0	435.8	1,073.2
02. AIRLIFT AIRCRAFT	2,715.4	2,411.5	2,251.4	2,960.6
03. TRAINER AIRCRAFT	25.6	71.5	65.4	92.5
04. OTHER AIRCRAFT	472.0	854.3	645.7	920.3
05. MODIFICATION OF INSERVICE AIRCRAFT	1,302.4	1,687.7	1,369.8	1,512.7
06. AIRCRAFT SPARES AND REPAIR PARTS	541.5	170.6	350.0	431.7
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	780.4	673.1	699.8	1,088.8
TOTAL	7,149.1	6,484.8	5,817.8	8,079.8

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S E C
			FY 1998 UNIT COST	FY 1998 QUANTITY	FY 1997 COST QUANTITY	FY 1998 COST QUANTITY	
BUDGET ACTIVITY 01: COMBAT AIRCRAFT							
STRATEGIC OFFENSIVE							
1	B-1B	B		54.4	13.5	10.9	U
2	B-2A	B		749.0	91.3	174.1	U
TACTICAL FORCES							
3	ADVANCED TACTICAL FIGHTER LESS: ADVANCE PROCUREMENT (PY)	A					2 (900.5)U (-162.1)
4 ADVANCED TACTICAL FIGHTER ADVANCE PROCUREMENT (CY) (FY 1997 FOR FY 1999) (MEMO) (FY 1998 FOR FY 1999) (MEMO) (FY 1999 FOR FY 2000) (MEMO)							
					81.3 (81.3)	80.9 (80.9)	169.8 U
5	F-15A LESS: ADVANCE PROCUREMENT (PY)	A	53,000,000	6 (302.8)	6 (323.7) (-48.5)	3 (159.0)	3 (176.0)U (-11.0)
				302.8	275.2	159.0	165.0
6	F-15A ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMO) (FY 1998 FOR FY 1999) (MEMO)			48.5 (48.5)		11.0 (11.0)	U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1998		FY 1996		FY 1997		FY 1998		FY 1999		MILLIONS OF DOLLARS
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
7	F-16 C/D (MYP)	A		6	157.1	6	154.8								U
TOTAL COMBAT AIRCRAFT					1,311.8	616.0					435.8			1,073.2	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT															
TACTICAL AIRLIFT															
8	C-17 (MYP)	B	241,012,333	8	(2396.7)	8	(2152.6)	8	(2152.6)	9	(2169.1)	13	(2384.3)	U	
LESS: ADVANCE PROCUREMENT (PY)					(-189.9)	(-251.8)					(-245.8)				
					2206.8	1900.8					1923.3			2657.1	
9	C-17 (MYP)				278.8	211.8					278.2			303.5	U
ADVANCE PROCUREMENT (CY)					(221.8)	(38.0)					(278.2)			(303.5)	
(FY 1996 FOR FY 1997) (MEMO)															
(FY 1996 FOR FY 2002) (MEMO)															
(FY 1996 FOR FY 2003) (MEMO)															
(FY 1997 FOR FY 1998) (MEMO)															
(FY 1998 FOR FY 1999) (MEMO)															
(FY 1999 FOR FY 2000) (MEMO)															
10	EC-130J	A		1	70.4										U
OTHER AIRLIFT															
11	C-130J	A	49,928,000	2	98.0	1	62.8			1	49.9			U	
12	WC-130J	A		3	131.8	3	165.7							U	
TOTAL AIRLIFT AIRCRAFT					2,715.4	2,411.5					2,251.4			2,960.6	

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1996		FY 1997		FY 1998		FY 1999	
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 03: TRAINER AIRCRAFT												
13	JPATS	A	3,634,166	3	15.3	15	67.1	18	65.4	12	92.5	U
14	TANKER, TRANSPORT, TRAINER SYSTEM	B			10.3		4.5					U
TOTAL TRAINER AIRCRAFT					25.6		71.5		65.4		92.5	
BUDGET ACTIVITY 04: OTHER AIRCRAFT												
HELICOPTERS												
15	HH-60G	A		8	107.8							U
MISSION SUPPORT AIRCRAFT												
16	CIVIL AIR PATROL A/C	A	97,962	27	2.6	27	2.6	27	2.6	27	2.7	U
17	SMALL VCX (C-37)	A		2	99.2							U
18	LARGE VCX (C-32A)	A	95,058,000					2	190.1	2	167.0	U
19	DRUG INTERDICTION	A			1.6							U
OTHER AIRCRAFT												

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1998 UNIT COST	MILLIONS OF DOLLARS				S			
				FY 1996	FY 1997	FY 1998	FY 1999				
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST			
20	E-8C	B	380,949,000	2	(520.9)	2	(524.3)	1	(380.9)	2	(683.4)U
	LESS: ADVANCE PROCUREMENT (PY)				(-148.8)		(-128.5)		(-67.0)		(-115.2)
					372.1		395.9		314.0		568.2
21	E-8C										
	ADVANCE PROCUREMENT (CY)										
	(FY 1996 FOR FY 1997) (MEMO)				95.8		141.0		22.4		103.0 U
	(FY 1997 FOR FY 1998) (MEMO)										
	(FY 1997 FOR FY 1999) (MEMO)						(55.6)				
	(FY 1998 FOR FY 1999) (MEMO)						(85.4)				
	(FY 1999 FOR FY 2000) (MEMO)								(22.4)		(103.0)
22	PREDATOR UAV	A	7,767,066			16	107.8	15	116.5	11	79.3 U
	TOTAL OTHER AIRCRAFT				472.0		854.3		645.7		920.3
BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT											
STRATEGIC AIRCRAFT											
23	B-2A MODS	A			20.6		6.1		13.9		16.3 U
24	B-1B MODS	A			66.5		136.3		114.2		127.4 U
25	B-52 MODS	A			4.8		20.3		28.9		61.1 U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1996		FY 1997		FY 1998		FY 1999		S
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	
26	F-117 MODS	A			46.3		29.2		28.3				29.3 U
TACTICAL AIRCRAFT													
27	A-10 MODS	A			27.0		35.8		25.0				28.3 U
28	F/RF-4 MODS	A			*		.1						U
29	F-15 MODS	A			78.3		158.9		169.6				193.1 U
30	F-16 MODS	A			115.6		133.8		216.2				227.8 U
31	EF-111 MODS	A			*		.9		.2				U
32	T/AT-37 MODS	A			.1		.1		.1				.1 U
AIRLIFT AIRCRAFT													
33	C-5 MODS	A			60.9		54.0		83.0				75.7 U
34	C-9 MODS	A			3.9		9.6		16.3				10.0 U
35	C-17 MODS	A			20.8		41.9		59.1				42.9 U
36	C-21 MODS	A			6.1		4.8		6.9				9.0 U
37	C-22 MODS	A			.7		.4		.3				.2 U
38	C-STOL MODS	A			.3		.8		.1				U
39	C-137 MODS	A			15.3		5.3		2.3				U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1996		FY 1997		FY 1998		FY 1999		S E C
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY			
40	C-141 MODS	A			90.6		52.3		30.7				6.8 U
TRAINER AIRCRAFT													
41	T-1 MODS	A			5.6		7.3		7.0				8.0 U
42	T-3 MODS	A			.1		.1		.1				.1 U
43	T-38 MODS	A			2.5		9.3		14.8				55.1 U
44	T-41 MODS	A			*		*		.1				.1 U
45	T-43 MODS	A			11.7		6.6		10.3				2.3 U
OTHER AIRCRAFT													
46	KC-10 MODS	A			24.7		13.2		14.5				29.3 U
47	C-12 MODS	A			3.1		11.0		4.7				3.4 U
48	C-18 MODS	A			2.6		1.1		.3				.4 U
49	C-20 MODS	A			14.1		6.9		6.5				2.5 U
50	VC-25A MOD	A			9.4		.9		10.8				1.1 U
51	C-130 MODS	A			84.0		101.7		94.5				104.6 U
52	C-135 MODS	A			237.1		237.0		137.9				139.2 U
53	E-3 MODS	A			222.8		265.9		134.7				114.9 U
54	E-4 MODS	A			8.6		3.9		11.4				5.4 U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1998		FY 1996		FY 1997		FY 1998		FY 1999		S E C
			UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
55	E-8 MODS	A											
56	H-1 MODS	A			18.4		8.8		2.8				72.9 U
57	H-60 MODS	A					6.0		16.9				18.9 U
58	OTHER AIRCRAFT MODS	A			28.6		35.1		33.1				19.3 U
OTHER MODIFICATIONS													
59	CLASSIFIED PROJECTS MODS	A			19.9		3.0		7.6				22.4 U
60	DARP MODS	A			51.5		279.4		67.1				7.8 U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT													
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS													
AIRCRAFT SPARES + REPAIR PARTS													
61	SPARES AND REPAIR PARTS	A			541.5		170.6		350.0				431.7 U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS													
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES													
COMMON SUPPORT EQUIPMENT													
TOTAL													
1,302.4													
1,687.7													
1,369.8													
1,512.7													

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1996		FY 1997		FY 1998		FY 1999		S E C
			UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY		
62	COMMON SUPPORT EQUIPMENT	A		207.9		160.1		151.2				165.4	U
	POST PRODUCTION SUPPORT												
63	A-10 POST PROD SUPP	A						2.8				11.8	U
64	B-2A POST PROD SUPP	B										235.5	U
65	C-5 POST PROD SUPP	A										29.6	U
66	F-15 POST PROD SUPP	A		7.0		7.5		8.1				8.1	U
67	F-16 POST PROD SUPP	A		122.3		66.6		22.4				28.7	U
	INDUSTRIAL PREPAREDNESS												
68	INDUSTRIAL PREPAREDNESS	A		38.4		33.1		25.9				27.8	U
	WAR CONSUMABLES												
69	WAR CONSUMABLES	A		24.6		56.2		67.6				59.7	U
	OTHER PRODUCTION CHARGES												
70	MISC PRODUCTION CHARGES	A		171.4		194.3		275.8				359.0	U
71	CANCELLED ACCOUNT ADJUSTMENTS	A		.6									U
	COMMON ECM EQUIPMENT												

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 301 OF AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			FY 1998 UNIT COST	FY 1998	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST		FY 1998 QUANTITY	FY 1998 COST	FY 1999 QUANTITY	FY 1999 COST	E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		B-1B BOMBER	

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (IN millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (In Millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Unit Cost (in M)										

MISSION AND DESCRIPTION:

The B-1B has been designated as the "backbone" of the conventional bomber force. National Security will increasingly depend on conventional bombers to meet the demands of responding rapidly to security threats from various regions around the world. The B-1B is the weapon system to meet the challenge of these threats. Funding will support Interim Contractor Support (ICS) repair until organic capability can be established. Organic repair capability is projected to be completed in FY 2000.

FY 98/99 PROGRAM JUSTIFICATION:

Interim Contractor Support (ICS) provides for both Intermediate and Depot Level Repair services for the B-1B weapon system. Interim Contractor Support services include data management, contractor operated storage sites, packaging, handling, transportation and material control systems for items requiring repair. Types of items repaired on ICS include: gearbox assemblies, manifold assemblies, vertical indicators, auxiliary power units and power drive units.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No.		B. Popular Name B-1B		C. Manufacturer Rockwell Int'l		D. Date		Feb-97
	FY96	QTY	FY97	QTY	FY98	QTY	FY99	QTY	
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
AIRFRAME/CFE		0.0		0.0		0.0		0.0	
ENGINE/ACCESSORIES									
Eng Model:									
AVIONICS									
ARMAMENT									
OTHER GFE									
ECO (All Flyaway Components)									
NON-RECURRING COSTS									
OTHER COSTS									
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)									
ENGINE PGSE									
AVIONICS PGSE									
PECULIAR TRAINING EQUIPMENT									
PUBLICATIONS/TECH. DATA									
ECO (ALL SUPPORT ITEMS)		54.4		13.5		10.9		0	
OTHER (ICS)						0.0		0.0	
Program Management Administration (PMA)									
Subtotal SUPPORT COST	54.4	54.4	13.5	13.5		10.9		0.0	
GROSS P-1 COST		54.4		13.5		10.9		0.0	
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0	
21 NET P-1 COST		54.4		13.5		10.9		0.0	

EXHIBIT P-5

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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		B-2A BOMBER	

	FY 96/Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	15	0	0	0	0	0	0	0	0	15
COST (IN millions)	17352.6	91.3	174.1	0	0	0	0	0	0	17618.0
Initial Spares (in M)	888.1	35.0	67.7	0	0	0	0	0	0	990.8
Total (In Millions)	18240.7	126.3	241.8	0	0	0	0	0	0	18608.8
Unit Cost (in M)	1156.8									

MISSION AND DESCRIPTION:

The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management and acquisition strategy provides the user a capability for the lowest possible cost.

FY 98/99 PROGRAM JUSTIFICATION:

The FY 1998/99 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and non-recurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

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EXHIBIT P-40

UNCLASSIFIED

AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)			A. Appn/Budget Activity Title/No. Aircraft Procurement Combat Aircraft/BA 1			B. Popular Name B-2 Advanced Tech Bomber			C. Manufacturer Northrop/Grumman Pico/Rivera, CA			D. Date		Feb-97		
			FY96	QTY 0	FY97	QTY 0	FY98	QTY 0	FY99			QTY 0				
			Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			Unit Cost	Total Cost		
AIRFRAME/CFE				0.0		0.0		0.0		0.0				0.0		
AV 1 UPGRADE				476.8		0.0		0.0		0.0				0.0		
ENGINE/ACCESSORIES				0.0		0.0		0.0		0.0				0.0		
Eng Model: F-118-GE-100				0.0		0.0		0.0		0.0				0.0		
AVIONICS				0.0		0.0		0.0		0.0				0.0		
WEAPON DELIVERY SYSTEM				8.7		9.8		0.0		0.0				0.0		
OTHER GFE				0.0		0.0		0.0		0.0				0.0		
ECO (All Flyaway Components)				2.7		5.3		11.5		0.0				0.0		
NON-RECURRING COSTS				19.0		23.7		21.8		0.0				0.0		
OTHER COSTS				0.0		0.0		0.0		0.0				0.0		
Subtotal FLYAWAY COSTS			0.0	507.2	0.0	38.8	0.0	33.3	0.0	0.0			0.0	0.0		
AIRFRAME PGSE (Deferred Logistics)				47.0		15.4		8.8		0.0				0.0		
ENGINE PGSE				2.1		0.0		0.0		0.0				0.0		
AVIONICS PGSE				0.0		0.0		0.0		0.0				0.0		
PECULIAR TRAINING EQUIPMENT				55.5		8.6		12.0		0.0				0.0		
PUBLICATIONS/TECH. DATA				15.0		0.7		5.2		0.0				0.0		
OTHER (ICS)				17.2		4.5		44.0		0.0				0.0		
SW INVESTMENT				86.3		1.1		42.1		0.0				0.0		
Program Management Admin Reqmt (PMAR)				12.3		15.1		11.5		0.0				0.0		
OTHER				6.5		7.1		17.2		0.0				0.0		
Subtotal SUPPORT COST				241.9		52.5		140.8		0.0				0.0		
GROSS P-1 COST				749.1		91.3		174.1		0.0				0.0		
20 LESS: Prior Yr Adv. Proc				0.0		0.0		0.0		0.0				0.0		
21 NET P-1 COST				749.1		91.3		174.1		0.0				0.0		

EXHIBIT P-5

UNCLASSIFIED

Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

Weapon System: B-2			Date: Feb-97		PE 11127F 64240F						
		FY 96/P	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC	Total
<u>A. General Program Data</u>											
Procurement Qty		9	13	16	17	21	21	21	21	0	21
Cum Operating Inventory											
No. of Operating Units											
OPTEMPO		3971.4	2745.0	3172.0	4410.0	5917.0	6592.0	6720.0	6848.0	150656.0	191031.4
(Flying Hrs or Miles per month)											
Readiness Objective											
Intermediate Level											
Stand-Up date											
Depot Level Stand-Up Date											
<u>B. Acquisition Logistics Resources</u>											
Initial Spares		888.1	35.0	67.7	27.2	25.6	6.7	4.6	0.6	0.0	1055.5
Mission Readiness Spares Pkg		73.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.3
Field Level Common Spt Equip											
Proc		14.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	17.6
Field Level Peculiar Spt Equip											
RDT&E		524.9	14.6	7.1	5.0	4.5	0.0	0.0	0.0	0.0	556.1
Proc		297.8	10.9	0.9	1.0	1.4	1.9	0.2	0.0	0.0	314.1
Depot Level Support Equip/Software											
RDT&E		311.8	4.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	324.2
Proc - Equip											
Proc - Software Investment		400.2	1.1	42.2	127.4	0.0	0.0	0.0	0.0	0.0	570.9
PDM Plan		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Technical Data/Manuals											
RDT&E		293.4	2.9	1.4	1.0	0.9	0.0	0.0	0.0	0.0	299.6
Proc		324.5	0.7	5.2	5.2	0.7	0.0	0.0	0.0	0.0	336.3
Training Services and Training Equip											
RDT&E		886.5	0.0	0.0	5.5	5.0	0.0	0.0	0.0	0.0	897.0
Proc		483.7	8.6	12.0	3.7	0.0	0.0	0.0	0.0	0.0	508.0

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EXHIBIT P-6 Pg 1 of 2

UNCLASSIFIED

Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

Weapon System: B-2				Date: Feb-97		PE 11127F 64240F					
		FY 96/P	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC	Total
C. Operations and Support											
Manpower (Nos. and \$)											
Military											
	Officer		177	267	273	272	251	251	251		
	Enlisted		1469	1493	1554	1619	1590	1561	1561		
			29	29	29	29	29	29	29		
Civilian											
Cost (\$)											
	Fuel	6.5	4.5	7.7	10.2	13.9	15.9	16.6	17.4	506.4	599.1
	Consumables (3400)	58.1	5.9	7.7	9.7	12.8	14.2	14.9	15.5	238.0	376.8
	Reparables (3400)	17.9	13.6	32.2	43.2	66.0	75.3	78.4	83.3	2253.2	2663.1
	Sustaining Eng Spt (3400)	55.3	89.2	38.3	61.5	59.1	59.5	57.8	62.1	62.1	544.9
	Interim Contractor Support (3010)	154.6	1.1	42.1	45.6	47.6	10.0	0.0	0.0	0.0	301.0

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EXHIBIT P-6 Pg 2 of 2

UNCLASSIFIED

FY98 PB		SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)						DATE		Feb-97	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01			Weapon System: B-2		Equipment Nomenclature: Aircrew & Maintenance Trainers				PE 11127F & 64240F		
Fin Plan		FY96/Prior	FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	Total
Quantity		59									59
Proc		483.7	8.6	12.0	3.7	0.0	0.0	0.0	0.0	0.0	508.0
RDT&E		886.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	886.5
O&S		29.2	9.0	15.5	20.0	20.0	20.0	20.0	20.0	20.0	153.7

Training System Description

The Training System consists of training equipment hardware, software, and courseware, training missions and classroom academic materials. The maintenance trainer RFT date was May 93. Aircrew training began in Jan 94. The maintenance trainers consist of the CMTS, WSTA, and the CESMT. The CPT, WST, and the MT are aircrew trainers and the WLT is an armament trainer. The TSC, SSC and TL are support devices for the above listed trainers. Outyear funds are for post block-30 correction of deficiencies (CODs), flight performance updates, and concurrency changes. Included is non-recurring effort for engineering changes, testing and hardware/software integration.

RFT= Ready for Training

CPT= Cockpit Procedures Trainer

WST= Weapon Sys

MT= Mission Trainer

WLT= Weapons Loading Trainer

CMTS= Computerized Maintenance Training System

WSTA= Weapon System Training Aid

CESMT= Crew Escape System Maintenance Trainer

TSC= Training Support Center

SSC= System Support Center

TL= Training Library

UNCLASSIFIED

FY98 PB SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)										DATE	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01				Weapon System: B-2		IOC Initial RFT: DEC 93		Equipment Nomenclature: Aircrew & Maint Trainers		PE 11127F & 64240F	
TRAINING DEVICE BY TYPE	SITE	DELIVERY DATE	READY FOR TRAINING DATE	AVG STUDENT THROUGHPUT	PRIOR YEARS		FY97		FY98		FY99
					QTY	COST	QTY	COST	QTY	COST	
<u>MAINTENANCE</u>	WAFB, MO	APR 93	MAY 93	575	54	179.2		2.1		4.5	2.0
<u>AIRCREW</u>	WAFB, MO				5	304.5		6.5		7.5	1.7
BLOCK 10	"	SEP 93	JAN 94			78.5		3.0		3.5	0.3
BLOCK 20	"	FEB 96	MAY 96			139.5		3.5		4.0	1.4
BLOCK 30	"	MAY 97	JUL 97			86.5					
<u>TOTAL</u>					59	483.7		8.6		12.0	3.7
				P-1 SHOPPING LIST ITEM NO.		PAGE NO.		Exhibit P-43 Page 2 of 4			

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FY98 PB		SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)						DATE		Feb-97			
Training Device by Type: AIRCREW TRAINERS		Weapon System: B-2											
Description/Justification: Contains 3 Weapon System Trainers (WST) and 2 Mission Trainers (MT) needed to conduct aircrew training of the B-2. Also contains funding for block updates to maintain concurrency with the air vehicle.													
FINANCIAL PLAN		Prior Years		FY97		FY98		FY99		To Complete		Total Costs	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS		5	240.1									5	240.1
Device	ECO		6.0										6.0
Nonrecurring	GFE		26.8				7.5						0.0
Other (Fee)			24.6				0.0						0.0
Total Hardware Costs			297.5				6.5						
SUPPORT COSTS													
Special SE			7.0										7.0
ILS													
Other			7.0										7.0
Total Support Costs													
Software/Courseware													
TOTAL COSTS			304.5		6.5		7.5				0.0		320.2

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FY98 PB		SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)						DATE		Feb-97			
Training Device by Type: MAINTENANCE TRAINERS		Weapon System: B-2											
Description/Justification: Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.													
FINANCIAL PLAN		Prior Years		FY97		FY98		FY99		To Complete		Total Costs	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS													
Device		54	134.5		2.1		4.5		2.0		0.0	54	143.1
ECO													
Nonrecurring													
GFE													
Other (Fee)													
Total Hardware Costs			134.5		2.1		4.5		2.0		0.0		143.1
SUPPORT COSTS													
Special SE													
ILS			30.6										30.6
Other			30.6										30.6
Total Support Costs													
Software/Courseware			14.1		0.0		0.0		0.0		0.0		14.1
TOTAL COSTS			179.2		2.1		4.5		2.0		0.0		187.8
				P-1 SHOPPING LIST ITEM NO.		PAGE NO.						Exhibit P-43 Page 4 of 4	

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		F-22 Advanced Tactical Fighter

	FY 1996	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	0	0	2	6	12	20	30	368	438
COST (In Millions)	0	0	0	900.5	1579.7	2499.1	3506.9	3946.2	32438.8	44871.2
Initial Spares (in M)	0	0	0	26.0	46.8	78.0	110.7	152.5	2337.0	2751.0
Total (In Millions)	0	0	0	926.5	1626.5	2577.1	3617.6	4098.7	34775.8	47622.2
Unit Cost (in M)	0	0	0	463.3	271.1	214.8	180.9	136.6	94.5	108.7

MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

FY 99 PROGRAM JUSTIFICATION:

Procures the first 2 Low Rate Initial Production (LRIP) aircraft and associated support.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc AF/BA01 Combat Acft		B. Popular Name F-22		C. Manufacturer Lockheed Corp Marietta, GA		D. Date Feb-97	
	FY96	QTY Total Cost	FY97	QTY Total Cost	FY98	QTY Total Cost	FY99	QTY Total Cost
AIRFRAME/CFE		0.0					220.5	440.9
ENGINE/ACCESSORIES							21.4	42.7
Eng Model:								
AVIONICS							56.7	113.3
ARMAMENT								
OTHER GFE								
ECO (All Flyaway Components)							92.2	184.4
NON-RECURRING COSTS							1.5	3.0
OTHER COSTS							392.2	784.3
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0		
AIR VEHICLE PGSE								91.4
ENGINE PGSE								15.1
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA								
ECO (ALL SUPPORT ITEMS)								
OTHER		0.0		0.0		0.0		9.7
Program Management Administration (PMA)								0.0
Subtotal SUPPORT COST	0.0	0.0		0.0		0.0		116.2
GROSS P-1 COST		0.0		0.0		0.0		900.5
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		-162.1
21 NET P-1 COST		0		0		0.0		738.4

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE	
FY97 Defense Budget Submission										Feb-97	
B. Appropriation/Budget Activity											
Aircraft Procurement/BA01, Combat Aircraft											
C. P-1 Item Nomenclature											
F-22											
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQD	If Yes, when Available	
<u>AIRFRAME</u>											
FY99	Lockheed, Marietta	FPI	ASC/MF	Jun-98	Nov-01	2	220.5	N/A	N/A		
<u>PROPULSION</u>											
FY99	Pratt & Whitney	FPI	ASC/LP	Feb-98	Feb-01	4	10.7	N/A	N/A		
D. REMARKS:											

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT		F-22 ADVANCED TACTICAL FIGHTER

	FY 1996	FY 1997	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY										
COST (IN millions)		81.3	80.9	169.8	278.3	373.4	304.3	1017.6	2157.9	4463.4

MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

FY98 PROGRAM JUSTIFICATION:

FY 98 Advance buy supports 2 aircraft buy in FY 99 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

FY99 PROGRAM JUSTIFICATION:

FY 99 Advance buy supports 6 aircraft buy in FY 00 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10 (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars In Millions)				Budget Year For Fiscal Year Program: FY97 for FY98			
				DATE Feb-97			
Weapon System Type (Model/Series No.) F-22 Advanced Tactical Fighter		First System Award Date Jun-99		First System Completion Date Nov-01		Interval Between System Completions (Months) 1-2	
Advance Procurement/Advance Funding		Date Contract Awd Planned/Required		Production Date of First Equip Req'd/Actual		Production Lead Time In Months Total Req'd (Adm/Prod) Actual	
Items		Quantity		Delivery Date of First Equip Req'd/Actual		Unit Cost (\$M)	
DMS & Design for Airframe *		0		Nov-01		N/A	
DMS & Design for Engine *		0		Nov-01		N/A	
Total						81.3	
NARRATIVE DESCRIPTION							
* DMS is abbreviation for Diminishing Manufacturing Sources (out of production parts).							
First System Award Date reflects contract award date for Lot 1.							
Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding.							
Date Contract Award Planned/Required reflects contract award for Advance Procurement of Lot 1 DMS and Redesign effort.							
FY97 Program Requirements reflect funding to purchase DMS for lots 1-5 and associated DMS redesign activities.							
These funds are currently budgeted to be debited from the Weapon System line in FY99. However, this budget will be realigned to match actual expenditures in a future budget exercise.							

Exhibit P-10

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10 (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars in Millions)					Budget Year For Fiscal Year Program: FY98 for FY99			
Weapon System Type (Model/Series No.) F-22 Advanced Tactical Fighter					DATE	Feb-97		
Advance Procurement/Advance Funding					First System Award Date Jun-99	First System Completion Date Nov-01	Interval Between System Completions (Months) 1-2	Total Cost
					Quantity	Date Contract Awd Planned/Required	Production Lead Time In Months Total Req'd (Adm/Prod) Actual	Unit Cost (\$M)
DMS & Design for Airframe *					0	Jun-98	41 mts	N/A
DMS & Design for Engine *					0	Jun-98	41 mts	N/A
CFE for Airframe					2	Jun-98	41 mts	37.0
CFE for Engine					2	Jun-98	41 mts	0.2
Total								80.9
NARRATIVE DESCRIPTION								
* DMS is abbreviation for Diminishing Manufacturing Sources (out of production parts).								
First System Award Date reflects contract award date for Lot 1.								
Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding.								
FY98 Budget reflects advanced procurement requirements for two Lot 1 aircraft in FY99. Additionally, DMS for Lots 1-5 (includes part purchase and redesign activities) as estimated by the Joint Estimate Team (JET) are included here and will be realigned to match actual expenditures in a future budget exercise.								

Exhibit P-10

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		F-15E TACTICAL FIGHTER

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	1083	6	6	3	3	0	0	0	0	1101
COST (IN millions)	23919.5	302.8	275.2	159.0	165.0	0	0	0	0	24821.5
Initial Spares (in M)	1964.7									1964.7
Total (in Millions)	25884.2	302.8	275.2	159.0	165.0					26786.2
Unit Cost (in M)	23.9									24.3

MISSION AND DESCRIPTION:

The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat ready.

FY98/99 PROGRAM JUSTIFICATION:

Aircraft procurement is required to replace fleetwide attrition of F-15E aircraft.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc AF/BA01 Combat Acft		B. Popular Name F-15E Eagle		C. Manufacturer McDonnell Douglas		D. Date Feb-97	
	FY96	QTY 6 Total Cost	FY97	QTY 6 Total Cost	FY98	QTY 3 Total Cost	FY99	QTY 3 Total Cost
AIRFRAME/CFE	31.8	190.5	32.4	194.3	37.6	112.8	46.6	139.8
ENGINE/ACCESSORIES	8.8	53.0	8.6	51.8	9.2	27.6	9.2	27.6
AVIONICS: CFE/GFE	1.7	10.2	1.6	9.8	1.7	5.0	1.7	5.1
ARMAMENT								
OTHER GFE	1.2	7.1	1.1	6.6	1.1	3.4	1.2	3.5
ECO								
NON-RECURRING COSTS	2.8	17.0	7.1	42.3	3.4	10.2		
OTHER COSTS	2.1	12.3						
PROGRAM MGT ADMIN REQMTS	1.3	7.9						
Subtotal FLYAWAY COSTS	49.7	298.0	50.8	304.8	53.0	159.0	58.7	176.0
AIRFRAME PGSE								
ENGINE PGSE		3.0						
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT		1.8		18.9				
PUBLICATIONS/TECH. DATA								
OTHER COSTS								
Subtotal SUPPORT COST		4.8		18.9		0.0		0.0
GROSS P-1 COST		302.8		323.7		159.0	44.0	176.0
20 LESS: Prior Yr Adv. Proc		0.0		-48.5		0		-11.0
21 NET P-1 COST		302.8		275.2		159.0		165.0
"Avionics: CFE/GFE" category includes two major items LANTIRN and TEWS. Total cost for FY96 includes only 3 sets of LANTIRN pods due to fiscal constraints.								

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE		Feb-97	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE									
AIRCRAFT PROCUREMENT, AF/BA01/COMBAT AIRCRAFT				F-15E									
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL			
AIR VEHICLE													
FY96	McDonnell Douglas	FFP	ASC/VFK	DEC 96	JAN 99	6	49.7	YES	YES	ONGOING			
FY97	McDonnell Douglas	FFP	ASC/VFK	FEB 97	APR 99	6	50.8	YES	YES	ONGOING			
FY98	McDonnell Douglas	FFP	ASC/VFK	NOV 97	JUL 99	3	53.0	YES	YES	ONGOING			
FY99	McDonnell Douglas	FFP	ASC/VFK	NOV 98	MAY 00	3	58.7	YES	YES	ONGOING			
PROPULSION													
FY96	Pratt & Whitney	C/OPTION	ASC/VFK	NOV 96	JUL 98	12	8.8	YES	YES	ONGOING			
FY97	Pratt & Whitney	C/OPTION	ASC/VFK	FEB 97	AUG 98	12	8.6	YES	YES	ONGOING			
FY98	Pratt & Whitney	C/OPTION	ASC/VFK	NOV 97	MAR 99	6	9.2	YES	YES	ONGOING			
FY99	Pratt & Whitney	C/OPTION	ASC/VFK	NOV 98	JAN 00	6	9.2	YES	YES	ONGOING			

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT	F-15E TACTICAL FIGHTER	

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)	1759.7	48.5		11.0						1819.2

MISSION AND DESCRIPTION:

The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat ready.

FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10 (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars In Millions)					Budget Year For Fiscal Year Program: FY96 for FY97				
Weapon System Type (Model/Series No.) F-15E		First System Award Date Dec-96		First System Completion Date Apr-99		Interval Between System Completions (Months) 1			
Advance Procurement/Advance Funding		Quantity	Date Contract Awd Required/Actual	Delivery Date of First Equip Req'd/Actual	Production Lead Time In Months Total Req'd Actual	Unit Cost (\$M)	Total Cost (\$M)		
Items									
1. CFE:									
CFT Doors		6	May-96	May-98	27		9.9		
ICS (Group A)		6	May-96	May-98	32		0.5		
Radar (Hughes APG-70)		6	May-96	Oct-98	30		14.5		
AFCS		6	May-96	May-98	31		1.4		
PACS		6	May-96	May-98	32		1.0		
ALR-56C-RWR		6	May-96	May-98	33		1.8		
CSBPC		6	May-96	May-98	31		1.2		
Fuel Pump		6	May-96	May-98	32		0.1		
Landing Gear		6	May-96	May-98	29		1.3		
Miscellaneous Equipment					33		13.5		
2. CFE SUBTOTAL							45.4		
3. GFE									
Programmer Electronic		6	May-96	Jul-98	28		0.1		
RT Processor		6	May-96	Jul-98	26		0.4		
Rec/Trans TACAN		6	May-96	Jul-98	20		0.1		
Rec/Trans APX 101		6	May-96	Jul-98	23		0.2		
MPDP		6	May-96	Jul-98	25		1.0		
VHSIC		6	May-96	Jul-98	20		0.7		
MISCELLANEOUS				*	*		0.6		
4. GFE SUBTOTAL							3.1		
5. TOTAL							48.5		
NARRATIVE DESCRIPTION									
* All miscellaneous purchasing was based upon the longest production lead time. Quantities and delivery dates vary for each individual component. The total cost is based upon the sum of all of the respective components.									

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10 (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars In Millions)				Budget Year For Fiscal Year Program: FY98 for FY99			
Weapon System Type (Model/Series No.) F-15E				DATE Feb-97			
Weapon System Type (Model/Series No.) F-15E		First System Award Date Nov-97		First System Completion Date May-00		Interval Between System Completions 1	
Advance Procurement/Advance Funding		Date Contract Awd Required/Actual		Delivery Date of First Equip Req'd/Actual		Production Lead Time In Months Total Req'd (Adm/Prod) Actual	
Items		Quantity				Unit Cost (\$M)	
1. CFE:							
Fit Control Computer		3		Nov-97		Jul-99	
ALR-56C		3		Nov-97		Jul-99	
Digital Map System		3		Nov-97		Jul-99	
Landing Gear		3		Nov-97		Jul-99	
Raw Materials		3		Nov-97		*	
2. CFE SUBTOTAL						31	
3. GFE						32	
Programmer Electronic		3		Nov-97		33	
RT Processor		3		Nov-97		29	
Rec/Trans TACAN		3		Nov-97		*	
MPDP		3		Nov-97			
VHSIC		3		Nov-97			
MISCELLANEOUS				Nov-97			
4. GFE SUBTOTAL						28	
5. TOTAL						26	
						20	
						25	
						20	
						*	
						0.4	
						0.6	
						0.3	
						0.3	
						1.0	
						3.6	
						8.3	
						0.1	
						0.1	
						0.0	
						0.3	
						0.3	
						0.2	
						2.7	
						11.0	
NARRATIVE DESCRIPTION							
* All miscellaneous purchasing was based upon the longest production lead time. Quantities and delivery dates vary for each individual component. The total cost is based upon the sum of all of the respective components.							

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	F-16 TACTICAL FIGHTER	

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	2201	6	6							2213
COST (IN millions)	32258.4	157.1	154.8							32570.3
Initial Spares (in M)	2830.7	7.9								2838.6
Total (in Millions)	35089.1	165.1	154.8							35408.9
Unit Cost (in M)	15.9	27.5	25.8							16.0

MISSION AND DESCRIPTION:

The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordnance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces.

FY98/99 PROGRAM JUSTIFICATION:

N/A

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc		B. Popular Name F-16 Fighting Falcon		C. Manufacturer Lockheed Ft Worth Co. Ft Worth, TX		D. Date Feb-97	
	FY96	QTY 6	FY97	QTY 6	FY98	QTY 6	FY99	QTY 6
AIRFRAME/CFE	11.2	67.2	12.7	76.1	0.0	0.0	0.0	0.0
ENGINE/ACCESSORIES	4.1	24.6	4.2	25.2	0.0	0.0	0.0	0.0
AVIONICS: CFE/GFE	2.8	17.0	2.9	17.4	0.0	0.0	0.0	0.0
ARMAMENT	0.8	5.0	1.4	8.4	0.0	0.0	0.0	0.0
OTHER GFE	2.3	13.7	1.6	9.4	0.0	0.0	0.0	0.0
ECO	0.5	3.1	0.4	2.5	0.0	0.0	0.0	0.0
NON-RECURRING COSTS	0.8	4.8	0.6	3.6	0.0	0.0	0.0	0.0
OTHER COSTS	1.7	10.0	1.2	7.4	0.0	0.0	0.0	0.0
PROGRAM MGT ADMIN REQMTS	24.2	145.4	25.0	150.0	0.0	0.0	0.0	0.0
Subtotal FLYAWAY COSTS								
AIRFRAME PGSE								
ENGINE PGSE								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT		1.5		1.2				
PUBLICATIONS/TECH. DATA		7.2		3.6				
OTHER (ICS)		3.0						
OTHER (SUPPORT CONTRACTS)								
OTHER (POST PRODUCTION SUPPORT)								
Subtotal SUPPORT COST		11.7		4.8				
GROSS P-1 COST		157.1		154.8	0.0	0.0	0.0	0.0
20 LESS: Prior Yr Adv. Proc								
21 NET P-1 COST		157.1		154.8				

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE		Feb-97	
FY97 Defense Budget Submission													
B. Appropriation/Budget Activity										C. P-1 Item Nomenclature			
Aircraft Procurement/BA01, Combat Aircraft										F-16			
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available			
<u>AIRFRAME</u>													
FY96	Lockheed, Ft Worth, TX	FFP	ASC/NP	May-96	Jan-99	6	11.2	Yes	No				
FY97	Lockheed, Ft Worth, TX	FFP	ASC/NP	Jun-97	Jan-00	6	12.7	Yes	No				
<u>PROPULSION</u>													
FY96	GE	SS FP	ASC/LP	Jun-96	Jul-97	6	4.1	Yes	No				
FY97	GE	SS FP	ASC/LP	Jun-97	Jul-98	6	4.2	Yes	No				
D. REMARKS:													

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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA02, AIRLIFT AIRCRAFT		C-17	

	FY96/ Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	40	8	9	13	15	15	15	5	0	120
COST (In Millions)	12291.6	1900.7	1923.3	2657.1	2931.6	2917.4	2952.0	1203.0	186.8	28963.5
Initial Spares (in M)	602.8	4.4	88.8	121.6	197.5	238.2	217.9	216.6	345.5	2033.3
Total (In Millions)	12894.4	1905.1	2012.0	2778.7	3129.1	3155.6	3169.6	1419.6	532.3	30996.8
Unit Cost (in M)	307.3	237.6	213.7	204.4	195.4	194.5	196.8	240.6	0	241.4

MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring C-141 aircraft.

FY 98 PROGRAM JUSTIFICATION:

Funding will provide for procurement of nine aircraft. Reflects the multi-year procurement acquisition strategy.

FY 99 PROGRAM JUSTIFICATION:

Funding will provide for procurement of thirteen aircraft. Reflects the multi-year procurement acquisition strategy.

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE	5-Feb-96
B. Appropriation/Budget Activity AIRCRAFT PROCUREMENT/BAO2/AIRLIFT					C. P-1 Item Nomenclature C-17A						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available	
AIR VEHICLE											
FY96	McDonnell Douglas	FFP	AFMC/ASC	Feb-96	Jul-97	8	236.6				
FY97	McDonnell Douglas	FFP	AFMC/ASC	Dec-96	Jun-98	8	207.3				
FY98	McDonnell Douglas	FFP	AFMC/ASC	Dec-97	May-99	9	202.5				
FY99	McDonnell Douglas	FFP	AFMC/ASC	Dec-98	Jun-00	13	182.4				
PROPULSION											
FY96	Pratt & Whitney	FFP	AFMC/ASC	Feb-96	Sep-96	8	20.5				
FY97	Pratt & Whitney	FFP	AFMC/ASC	Jan-97	Nov-97	8	19.5				
FY98	Pratt & Whitney	FFP	AFMC/ASC	Feb-98	Nov-98	9	19.8				
FY99	Pratt & Whitney	FFP	AFMC/ASC	Feb-99	Nov-99	13	20.0				
REMARKS:											
-- Engine Unit Cost are per shipset of 4 engines -- Air Vehicle unit cost is total of Air Vehicle, Avionics (CFE and GFE), Other GFE, and ECO unit costs											

EXHIBIT P-5A Procurement History and Planning

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE		27-Jan-97	
Appropriation/P-1 Line Item			Weapon System(If Applicable) Equipment Nomenclature								PE		
PROD 3010			C-17 TRAINERS (ATS & MTD)								41130F		
Fin Plan	FY94/P	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	TC	Total		
Quantity	4	0	2	1	0	2	0	0	0	0	9		
Proc	175200	20300	47600	85300	4600	50000	7400	4100	12600	4100	411200		
RDT&E	200400	0	0	0	0	0	0	0	0		200400		
<p>TRAINING SYSTEM DESCRIPTION ATS</p> <p>Provides initial and continuous training for C-17 aircrew members. Training will be totally contractor administered and supported, with AMC evaluating the final product, a fully qualified member. The training system will be developed concurrently with the aircraft development and production. The Aircrew Training System (ATS) consists of: Weapon System Trainers (WSTs), Computer Based Trainers (CBTs), Loadmaster Stations (LSs), Cargo Compartment Trainers (CCTs) and Cockpit Systems Simulators (CCSs). The blend or mix of the components depend on the base or schoolhouse they are being delivered to. The bases are: Charleston AFB, Altus AFB, McCord AFB.</p> <p>MTD</p> <p>The system is designed to reduce the maintenance training level to the lower skill levels.</p> <p>The system will employ accessibility, repairability, and interchangeability features. Integration will be with the aircraft development and production.</p>													
P-1 Shopping List Item No.			Page No.			EXHIBIT P-43							
			1			Simulator & Training Device Justification							

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (\$000)														
Appropriation/ P-1 Line Item			Weapon System		IOC Date Aircraft		Equipment Nomenclature		DATE: 27-Jan-97					
3010			C-17 Trainers		Jan-95		41130F							
Device Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY96		FY97		FY98		FY99	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
MTD	Charleston AFB				1	30497								
ATS														
wsf	Charleston AFB				1	29104							1	24250
wsf	Altus AFB				2	58208	1	15700	1	19800				
wsf	McChard AFB						1	19210					1	24250
Concurrency and Software														
				TOTAL	4	77691	2	12690		65500	4600			1500
						195500	2	47600	1	85300	0	4600	2	50000
				P-1 Shopping List	Item No.		Page No.		EXHIBIT P-43					
							2							

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)																			
Training Device by Type					DATE: 25-Jan-97														
C-17 TRAINERS					Weapon System (If Applicable) ATS & MTD														
Description/Justification																			
ATS: Provides initial and continuous training to C-17 aircrews. MTD: Procures the devices necessary to reduce the maintenance manning level and training to the lowest level.																			
Financial Plan		Prior Years		FY96		FY97		FY98		FY99		Cost to Complete		Total Cost					
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost					
HARDWARE COSTS	4	117809	2	34910	1	19800	0	0	0	0	2	48500	0	0					
		77691		12690		65500		4600				1500		221019					
														190181					
Total Hardware Costs			195500		47600		85300		4600		50000		28200	411200					
SUPPORT COSTS																			
Special SE																			
Integrated Logistics Supt.																			
Other(Specify)		0												0					
Total Support Costs		0		0		0		0		0		0		0					
TOTAL COSTS		195500		47600		85300		4600		50000		28200		411200					
P-1 Shopping List Item No.										Page No 3		EXHIBIT P-43							

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA02, AIRLIFT AIRCRAFT		C-17

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	40	8	9	13	15	15	15	5	0	120
COST (IN millions)	1219.7	221.8	211.8	278.2	303.5	304.9	307.8	104.7	0	2952.4

MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring C-141 aircraft.

FY 98 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY99. Reflects the multi-year procurement acquisition strategy.

FY 99 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY 00. Reflects the multi-year procurement acquisition strategy.

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS)					Prior Year for Fiscal Year Program -- FY96 DATE 6-Feb-97	
Weapon System Type (Model/Series No.) C-17A	First System Award Date Jan-96	First System Completion Date Aug-98	Interval Between System Completions			
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time in Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested (\$ in Millions)	Actual Contract Cost (\$ in Millions)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE	8	May-96	Jun-98			209.2
2. AIRCRAFT GFE						12.6
3. SUBTOTAL	0					221.8
4. EOQ(MYP)	0				0	57.0
5. TOTAL	8				0.0	278.8
-- FY96 advanced buy was awarded for the FY97 - Lot IX procurement of 8 aircraft. -- P41 is the first aircraft of this lot buy; the scheduled delivery is Jun 98. -- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs. -- FY96 portion of EOQ to support the 7-year Multiyear Procurement strategy. The total EOQ was \$300M (FY94--\$144.5M, FY95--\$98.5M).						

Exhibit P-10A2 Advance Procurement Execution/Request Comparison

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS)				Current Year for Fiscal Year Program -- FY97 DATE 6-Feb-97		
Weapon System Type (Model/Serial No) C-17A		First System Award Date Jan-97		First System Completion Date Aug-99	Interval Between System Completions	
Advance Procurement/Advance Fundl Items	Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time In Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested	Actual Contract Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE	9	Dec-96	May-99		198.8	198.8
2. AIRCRAFT GFE					13.0	13.0
3. SUBTOTAL					211.8	211.8
4. EOQ(MVP)	0				0.0	0.0
5. TOTAL	9				211.8	211.8

-- FY97 advanced buy was awarded for the FY98 - Lot X procurement of 9 aircraft.
-- P49 is the first aircraft of this lot buy; the scheduled delivery is May 99.
-- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.

Exhibit P-10A Advance Procurement Execution/Request Comparison

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material) (TOA, Dollars in Thousands)				Budget Year for Fiscal Year Program --FY98 DATE 6-Feb-97			
Weapon System Type (Model/Series No.) C-17A		First System Award Date Jan-98		First System Completion Date Aug-00			
Advance Procurement/Advance Funding Items		Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months(Adm/Prod)-Total	Unit Cost	Total Cost
(1)		(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE		13	Dec-97	Jun-00			263.1
2. AIRCRAFT GFE							15.1
3. SUBTOTAL		0					278.2
4. EOQ(MVP)		0					0
5. TOTAL		13					278.2

-- FY98 advanced buy is planned for awarded for the FY99 - Lot XI procurement of 13 aircraft.

-- P58 is the first aircraft of this lot buy; the scheduled delivery is Jun 00.

-- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.

Exhibit P-10 Weapon System Advance Procurement Analysis/Justification

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material)				Budget Year 2 for Fiscal Year Program -- FY99 DATE 6-Feb-97	
Weapon System Type (Model/Series No.) C-17A	First System Award Date Jan-99	First System Completion Date Aug-01	Interval Between System Completions (Months)		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time In Months(Adm/Prod)-Total	Unit Cost Total Cost
(1)	(2)	(3)	(4)	(5)	(6) (7)
1. AIRCRAFT CFE	15	Dec-98	Jul-01		281.1
2. AIRCRAFT GFE					22.4
3. SUBTOTAL	0				303.5
4. EOQ(MVP)					0.0
5. TOTAL	15				303.5
-- FY99 advanced buy is planned for awarded for the FY00 - Lot XII procurement of 15 aircraft. -- P71 is the first aircraft of this lot buy; the scheduled delivery is Jul 01. -- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.					

Exhibit P-10B Weapon System Advance Procurement Analysis/Justification

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	EC-130J	

	FY 1996	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY		1								
COST (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Initial Spares (in M)		0	0	0	0	0	0	0	0	0
Total (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Unit Cost (in M)										

MISSION AND DESCRIPTION: The EC-130J will replace the current fleet of the EC-130E aircraft. The EC-130 fleet currently consists of eight EC-130E aircraft assigned to the 93rd Special Operations Wing at Harrisburg, PA. The 193rd SOW conducts special operation missions such as psychological operations, civil affairs radio and television broadcasts, Command Control Communications Measures, and limited intelligence gathering. Congress added \$70.5M in FY 97 for the procurement, modification, and support of one aircraft.

FY 98/99 PROGRAM JUSTIFICATION: N/A.

UNCLASSIFIED

UNCLASSIFIED

AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc AF/BA02 Airlift Acft		B. Popular Name EC-130J		C. Manufacturer Lockheed Marietta, GA		D. Date Feb-97	
	FY96	QTY	FY97	QTY	FY98	QTY	FY99	QTY
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
AIRFRAME/CFE	0.0	0.0	47.4	47.4	0.0	0.0	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARMAMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ECO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROGRAM MGT ADMIN REQMTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal FLYAWAY COSTS	0.0	0.0	47.4	47.4	0.0	0.0	0.0	0.0
AIRFRAME PGSE			4.9	4.9				
ENGINE PGSE								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA								
ECO (All Support Items)								
OTHER (PMA)								
OTHER (Mods)								
Subtotal SUPPORT COST		18.1		18.1				
GROSS P-1 COST		0.0		23.0		0.0		0.0
20 LESS: Prior Yr Adv. Proc		0.0		70.4	0.0	0.0		0.0
21 NET P-1 COST		0.0		70.4		0.0		0.0

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT		C-130J	

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	2	1	1	0	0	0	2	2		
COST (In Millions)	98.0	62.8	49.9	0	0	0	157.9	177.2	TBD	TBD
Initial Spares (in M)	8.4	6.1	.7	0	0	0	13.5	17.0	TBD	TBD
Total (In Millions)	106.4	68.9	50.6	0	0	0	171.4	194.2	TBD	TBD
Unit Cost (in M)										

MISSION AND DESCRIPTION: The C-130J provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airlanding, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is medium size tactical transport powered by four AE2100D3 turboprop engines. It has a max ferry range of 3,070 nautical miles, a service ceiling of 30,560 feet, and a cruise speed of 342 knots, and can carry a max payload of 39,311 pounds. The Air Force is designated Executive Service for the C-130 production contract.

FY 98/99 PROGRAM JUSTIFICATION: The C-130J will replace the aging C-130E models. The C-130J model will have an upgraded two crew member cockpit, modern technology avionics and new engines and propellers. C-130J will provide improvements in reliability and maintainability thus securing reductions in operating and support costs and improved availability.

UNCLASSIFIED

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc AF/BA02 Airlift Acft		B. Popular Name C-130J		C. Manufacturer Lockheed Marietta, GA		D. Date Feb-97	
	FY96	QTY 2	FY97	QTY 1	FY98	QTY 1	FY99	QTY 1
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
AIRFRAME/CFE	49.0	98.0	47.4	47.4	49.9	49.9	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARMAMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ECO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROGRAM MGT ADMIN REQMTS								
Subtotal FLYAWAY COSTS	49.0	98.0	47.4	47.4	49.9	49.9	0.0	0.0
AIRFRAME PGSE				12.2				
ENGINE PGSE								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA								
ECO (All Support Items)				3.2				
OTHER (PMA)								
OTHER								
Subtotal SUPPORT COST		0.0		15.4		0.0		0.0
GROSS P-1 COST		98.0		62.8	12.5	49.9		0.0
20 LESS: Prior Yr Adv. Proc						0		0
21 NET P-1 COST		98.0		62.8		49.9		0.0

UNCLASSIFIED

EXHIBIT P-5

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE		Feb-97	
FY98/99 Presidents Budget													
B. Appropriation/Budget Activity										C. P-1 Item Nomenclature			
Aircraft Procurement/BA02, Airlift Aircraft										C-130J			
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available			
<u>AIR VEHICLE</u>													
FY96	LASC Marietta, GA	SS/FP	AFMC			2	49.0	No	Yes	Feb-95			
FY97	LASC Marietta, GA	SS/FP	AFMC			1	47.4	No	Yes				
FY98	LASC Marietta, GA	SS/FP	AFMC			1	49.9	No	Yes				
D. REMARKS:													

EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	WC-130J	

	Prior	FY 1996	FY1997	FY1998	FY 1999	FY 2000	FY 2001	FY 2002	To Comp	Total
QUANTITY	0	3	3							6
COST (In Millions)	0	131.7	165.7							297.4
Initial Spares (in M)	0	0								
Total (In Millions)	0	131.7	165.7							297.4
Unit Cost (in M)										49.6

MISSION AND DESCRIPTION: The C-130 provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airlifting, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four AE 2100D3 turboprop engines. The Air Force is designated Executive Service for the C-130 production aircraft.

The WC-130 is the weather reconnaissance version of the C-130J. It provides immediate response for observation and reporting of critical storm conditions (hurricanes, tornadoes, etc.) for transmissions to the National Oceanographic and Atmospheric Administration (NOAA). The WC-130s routinely fly 10 to 12 hour missions originating from Keesler AFB, MS.

FY97 Appropriations Bill added procurement funding for three WC-130 aircraft. Currently, the Air Force is evaluating the costs necessary to procure and missionize C-130J aircraft for the weather mission. The final configuration of the WC-130J as a replacement for the current WC-130s is under review and is expected to be finalized by Spring 1997.

FY 98/99 PROGRAM JUSTIFICATION: N/A

UNCLASSIFIED

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No.		B. Popular Name		C. Manufacturer		D. Date	
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost
	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
	Total Cost	Total Cost	Total Cost	Total Cost	Total Cost	Total Cost	Total Cost	Total Cost
AIRFRAME/CFE	43.9	131.7	142.2	0.0	0.0	0.0	0.0	0.0
ENGINE/ACCESSORIES								
Eng Model: Allison AE2100								
AVIONICS								
ARMAMENT								
OTHER GFE								
ECO (All Flyaway Components)			1.4					
NON-RECURRING COSTS								
OTHER COSTS								
Subtotal FLYAWAY COSTS	43.9	131.7	143.6	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE			6.0					
ENGINE PGSE								
AVIONICS PGSE			1.5					
PECULIAR TRAINING EQUIPMENT								
PUBLICATIONS/TECH. DATA								
ECO (ALL SUPPORT ITEMS)			14.6					
OTHER (ICS)		0.0						0.0
Program Management Administration (PMA)		0.0						0.0
Subtotal SUPPORT COST		0.0	22.1		0.0	0.0	0.0	0.0
GROSS P-1 COST		131.7	165.7		0.0	0.0	0.0	0.0
20 LESS: Prior Yr Adv. Proc		0.0	0.0		0.0	0.0	0.0	0.0
21 NET P-1 COST		131.7	165.7		0.0	0.0	0.0	0.0

EXHIBIT P-5

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT		Joint Primary Aircraft Training System (JPATS)	

	FY 96/ Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	9	15	18	12	18	34	43	43	180	372
COST (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	190.8	672.9	1590.3
Initial Spares (in M)	0	0	0	0	0	0	0	0	63.3	129.6
Total (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	256.4	735.9	1718.9
Flyaway U/C (\$M)	8.2	4.7	3.1	3.3	2.8	2.6	3.2	3.1	3.2	3.3
Weapon System U/C	9.9	5.5	3.6	7.7	5.1	3.6	4.2	4.4	3.7	4.3

MISSION AND DESCRIPTION:

JPATS is a joint USAF/USN venture to replace the Services' fleet of primary trainer aircraft (T-37/T-34 respectively) and procures associated Ground Based Training Systems (GBTS). The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics, as well as, underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve as the Lead Executive Service.

The Program Management Administrative (PMA) initiative costs for the JPATS program are identified separately for FY96 - FY01 on the P-5 exhibit attached. The USAF planned quantity is 372, with the first procurement in FY95. The USN planned quantity is 339, beginning in FY00. The JPATS program will acquire a non-developmental aircraft plus JPATS missionization.

FY97 procurement quantity and funding adjusted from 12 to 15 aircraft with funds increasing from \$67.1M to \$82.4M, using \$15.3M of FY96 funds.

FY 98 PROGRAM JUSTIFICATION:

The JPATS program will acquire a missionized version of an in-service, in-production aircraft. FY 98 funding will procure 18 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

FY 99 PROGRAM JUSTIFICATION:

FY 99 funding will procure 12 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)		A. Appn/Budget Activity Title/No. 010/84740F		B. Popular Name Joint Primary Aircraft Training System		C. Manufacturer Raytheon Aircraft Co Wichita, Kansas		D. Date		Feb-97	
		FY96 & Prior		FY96 \$ FY97 \$		FY98		FY99		12	
		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
FLYAWAY COST		8.2	74.2	4.7	71.0	3.1	56.4	3.3	39.2	3.3	39.2
AIRFRAME/CFE											
ENGINE/ACCESSORIES											
Eng Model:											
AVIONICS											
ARMAMENT											
OTHER GFE											
ECO (All Flyaway Components)											
NON-RECURRING COSTS											
OTHER COSTS											
Subtotal FLYAWAY COSTS		8.2	74.2	4.7	71.0	3.1	56.4	3.3	39.2	3.3	39.2
GROUND BASED TRAINING SYSTEMS COSTS											
AIRFRAME/CFE											
ENGINE/ACCESSORIES		0.0	0.0	0.0	0.00	0.03	0.6	3.7	44.9		
Eng Model:											
AVIONICS					0.0		0.0		0.0		
ARMAMENT											
OTHER GFE											
ECO (All Flyaway Components)											
NON-RECURRING COSTS											
OTHER COSTS											
Subtotal GROUND BASED TRG SYS		0.0	0.0	0.0	0.0	0.03	0.6	3.7	44.9		
OTHER COSTS											
AIRFRAME PGSE (Deferred Logistics)											
ENGINE PGSE											
AVIONICS PGSE											
PECULIAR TRAINING EQUIPMENT											
PUBLICATIONS/TECH. DATA		1.6	15.0	0.8	11.4	0.5	8.4	0.7	8.4		
ECO (ALL SUPPORT ITEMS)											
Program Management Administration (PMA)											
Subtotal OTHER COSTS		1.6	15.0	0.8	11.4	0.5	8.4	0.7	8.4		
GROSS P-1 COST		9.8	89.2	5.5	82.4	3.6	65.4	7.7	92.5		
20 LESS: Prior Yr Adv. Proc			0.0		0.0		0.0		0.0		
21 NET P-1 COST		9.8	89.2	5.5	82.4	3.6	65.4	7.7	92.5		

EXHIBIT P-5

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE	
FY98 Defense Budget Submission										February 97	
B. Appropriation/Budget Activity											
3010/84740F											
C. P-1 Item Nomenclature											
Joint Primary Aircraft Training System (JPATS)											
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available	
AIR VEHICLE											
FY95	Raytheon Aircraft	C/FPO	ASC/NT WPAFB OH	Feb-96	Dec-98	3		13.1 Yes	No	N/A	
FY96	Wichita, Kansas	C/FPO	ASC/NT WPAFB OH	Sep-96	Mar-99	6		5.8 Yes	No	N/A	
FY97		C/FPO, FPIF with EPA	ASC/NT WPAFB OH	Feb-97	Jun-99	15		4.7 N/A	N/A	N/A	
FY98		C/FPO, FPIF with EPA	ASC/NT WPAFB OH	Feb-98	Feb-00	18		3.1 N/A	N/A	N/A	
FY99		C/FPO, FPIF with EPA	ASC/NT WPAFB OH	Feb-99	Feb-01	12		3.3 N/A	N/A	N/A	
D. REMARKS:											
Variations in Unit Cost from FY to FY: There is a significant amount of non-recurring associated with FY95 which decreases in FY96 and FY97.											

EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED

Exhibit P-21, Production Schedule										FY98 PRESIDENT'S BUDGET										Date	
AF & Navy																				Jan-97	
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number										Weapon System										P-1 Line Item Nomenclature	
Aircraft Procurement, 3010 & AP,N3										JPATS										Joint Primary Aircraft Training System (JPATS)	
ITEM		MANUFACTURER'S NAME AND LOCATION		MSR		1-8-5		MAX		ALT PRIOR TO OCT 1		ALT AFTER OCT 1		INITIAL MFG PLT		REORDER MFG PLT		UNIT OF MEASURE			
Aircraft (flyaway)		Raytheon, Wichita KS		12		1-8-5		96				5 mo.		24 mo.		N/A		29 mo.			
FISCAL YEAR 03																					
CALENDAR YEAR 03																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		00 AF	18	12	6	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	
		00 Navy	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		01 AF	34	0	34	0	34	0	34	0	34	0	34	0	34	0	34	0	34	0	
		01 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
		02 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		02 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 04																					
CALENDAR YEAR 04																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		00 AF	18	12	6	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	
		00 Navy	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		01 AF	34	0	34	0	34	0	34	0	34	0	34	0	34	0	34	0	34	0	
		01 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
		02 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		02 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 05																					
CALENDAR YEAR 05																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 06																					
CALENDAR YEAR 06																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 07																					
CALENDAR YEAR 07																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 08																					
CALENDAR YEAR 08																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 09																					
CALENDAR YEAR 09																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 10																					
CALENDAR YEAR 10																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 11																					
CALENDAR YEAR 11																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 12																					
CALENDAR YEAR 12																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 13																					
CALENDAR YEAR 13																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 14																					
CALENDAR YEAR 14																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 15																					
CALENDAR YEAR 15																					
ITEM		F	S	Q	D	B	O	N	D	J	F	M	A	P	R	A	M	A	P	R	
Air Vehicle		02 AF	43	29	14	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
		02 Navy	24	16	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		03 AF	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	43	0	
		03 Navy	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	24	0	
FISCAL YEAR 16																					
CALENDAR YEAR 16																					
ITEM		F	S	Q	D	B	O	N	D	J	F</										

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE
FY98 PRESIDENT'S BUDGET										Feb-97
Appropriation/P-1 Line Item		Weapon System(If Applicable)		Equipment Nomenclature				PE		
3010/Joint Primary Aircraft		JPATS						84740F		
Training System (JPATS)										
Fin Plan	Prior Yrs	CY (97)	BY1 (98)	BY2 (99)	BY2+1	BY2+2	BY2+3	BY2+4	Total *	
Quantity	0	5	0	6	8	6	8	10	56**	
Proc	0	0	0.0	44.9	35.2	28.6	42.6	52.5	254.2	
RDT&E	0.2	12.4	39.4	44.1	27.2	5.7	0.0	0.0	129.0	
O&S	0.06	0.58	0.60	0.61	0.63	10.23	13.94	17.66	***	

TRAINING SYSTEM DESCRIPTION
<p>Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T-38 aircraft. The objective of both the Air Force and the Navy is to jointly acquire an integrated training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contract logistic support and aircraft. This project represents the ground based training portion of the system.</p> <p>* Equals total of "Prior Yrs" through Completion.</p> <p>** Quantity consists of 5 for RDT&E and 51 for Procurement.</p> <p>[does not include 7 TIMS(99) or 4 Trng Aids(00)]</p> <p>*** Numbers received from AEIC include FY96-FY03. They have no complete total through FY38.</p>

P-1 Shopping List Item No.	Page No.	EXHIBIT P-43 Simulator & Training Device Justification
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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2)					(\$ M) FY98 PRESIDENT'S BUDGET				DATE: Feb-97					
Appropriation/ P-1 Line Item 3010/JPATS	Weapon System (If Applicable)		IOC Date May-01	Equipment Nomenclature	PE 84740F	Prior Years		Current Year (97)		Budget Year1 (98)		Budget Year2 (99)		
	Training Device	Site				Delivery Date	Ready for Training Date	Average Student Throughput	Qty	Cost	Qty	Cost	Qty	Cost
By Type														
OFT	Various					0	N/A	0	N/A	0	N/A	2	15.4	
IFT	Various					0	N/A	0	N/A	0	N/A	2	9.5	
CPT	Various					0	N/A	0	N/A	0	N/A	2	3.4	
EGRESS	Various					0	N/A	0	N/A	0	N/A	0	N/A	
EJECT	Various					0	N/A	0	N/A	0	N/A	0	N/A	
TIMS	Various					0	N/A	0	N/A	0	N/A	7	9.6	
TRNG AIDS	Various					0	N/A	0	N/A	0	N/A	0	N/A	
				Item No.		Page No. 2		EXHIBIT P-43						
P-1 Shopping List														

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SIMULATOR AND TRAINING DEVICE				(\$ M) FY98 PRESIDENT'S BUDGET				DATE: Feb-97							
Training Device by Type				Weapon System (If Applicable)											
Operational Flight Trainers (OFT)				JPATS											
Description/Justification															
Operational Flight Trainers (OFT) are simulators used to train pilots in operational use of all aircraft controls and instruments and includes out-of-window visual scenes.															
Financial Plan		PY		CY (97)		BY (98)		BY+1 (99)		Cost to Complete		Total Cost			
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost		
HARDWARE COSTS															
Device (Hardware)		0	0	0	0	0	0	2	14.449	11	80.56	13	95.09		
ECO's									0.944		5.26		6.21		
Nonrecurring															
GFE															
Other(Specify)															
Total Hardware Costs			0		0		0		15.393		85.82		101.29		
SUPPORT COSTS															
Special SE															
Integrated Logistics															
Support															
Other(Specify)															
Total Support Costs			0		0		0		0		0.00		0.00		
Software/Courseware															
TOTAL COSTS			0		0		0		15.393		85.82		101.29		
				P-1 Shopping List Item No.				Page No. 3				EXHIBIT P-43			

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 4) (\$ M)										FY98 PRESIDENT'S BUDGET		DATE: Feb-97			
Training Device by Type Instrument Flight Trainers (IFT)										Weapon System (If Applicable) JPATS					
Description/Justification Instrument Flight Trainers (IFT) are simulators used to train pilots in instrument flight procedures including: ground operations, takeoff, landing, normal instrument flight, in-flight maneuvers, communication/navigation procedures and other subsystems.															
Financial Plan		Prior Years		Current Year (97)		Budget Year 1 (98)		Budget Year 2 (99)		Cost to Complete		Total Cost			
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost		
HARDWARE COSTS															
Device (Hardware)		0	0	0	0	0	0	2	8,939	17	77.94	19	86.88		
ECO's									0.584		5.09		5.67		
Nonrecurring															
GFE															
Other(Specify)															
Total Hardware Costs			0		0		0		9,523		83.03		92.55		
SUPPORT COSTS															
Special SE															
Integrated Logistics Supt.															
Other(Specify)															
Total Support Costs			0		0		0		0		0		0.00		
Software/Courseware															
TOTAL COSTS			0		0		0		9,523		83.03		92.55		
P-1 Shopping List Item No.										Page No. 4		EXHIBIT P-43			

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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT		T-1A Training System	

	FY 96/ Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	180	0	0	0	0	0	0	0	0	180
COST (In Millions)	896.4	4.5	0	0	0	0	0	0	0	900.9
Initial Spares (in M)	59.7	0	0	0	0	0	0	0	0	59.7
Total (In Millions)	956.1	4.5	0	0	0	0	0	0	0	960.6
Unit Cost (in M)										

MISSION AND DESCRIPTION:

This program is the cornerstone in the Air Force's plan to return to Specialized Undergraduate Pilot Training (SUPT). The program is an integral part of the DOD 1989 Trainer Master Plan submitted to Congress in Feb 1989. The T-1A is a Beech 400T aircraft missionized with an avionics suite representative in task management and function of current and projected operational aircraft. The ground based training system is comprised of courseware, training media, and simulators. The program entered the production phase beginning with the initial contract award (Feb 90). Two of the five AETC bases were completed during FY93 (Reese AFB and Randolph AFB). Laughlin AFB was started in Nov 93 and completed in Dec 94 (FY95). All three bases are currently training and graduating students.

FY 98/99 PROGRAM JUSTIFICATION:

N/A

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. 3010/10TTTS		B. Popular Name T-1A Training System		C. Manufacturer McDonnell Douglas St Louis, MO.		D. Date Feb 97	
	FY96	QTY Total Unit Cost	FY97	QTY Total Unit Cost	FY98	QTY Total Unit Cost	FY99	QTY Total Unit Cost
AIRFRAME/CFE						0.0		0.0
ENGINE/ACCESSORIES								
Eng Model:								
AVIONICS								
ARMAMENT								
OTHER GFE								
ECO (All Flyaway Components)								
NON-RECURRING COSTS								
OTHER COSTS		0.0	0.0		0.0		0.0	0.0
Subtotal FLYAWAY COSTS				0.0		0.0		0.0
AIRFRAME PGSE (Deferred Logistics)		4.3						
ENGINE PGSE								
AVIONICS PGSE		4.0		2.5		0.0		0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0				
PUBLICATIONS/TECH. DATA		0.0		0.0				0.0
ECO (ALL SUPPORT ITEMS)		1.0		1.0		0.0		0.0
OTHER		1.0		1.0		0.0		0.0
Program Management Administration (PMA)		10.3		4.5		0.0		0.0
Subtotal SUPPORT COST								
GROSS P-1 COST		10.3		4.5		0.0		0.0
Other non P-1 (Initial Spares)		21.2		0.0		0.0		0.0
21 NET P-1 COST		31.5		4.5		0.0		0.0

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE		Feb 97			
FY 98/99 Presidents Budget										
B. Appropriation/Budget Activity					C. P-1 Item Nomenclature					
3010/10TTTS					T-1A Training System					
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
<u>AIR VEHICLE</u>										
FY95	MDTS, St Louis, MO.	FPAF	AFMC/ASC	Dec 94	Jul 96	32		4 Yes	No	
D. REMARKS: Propulsion Costs are included in the air vehicle price on this program.										

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	HH-60	

	FY 1996	FY 1997	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	8	0	0	0	0	0	0	0	8
COST (IN millions)	0	107.8	0	0	0	0	0	0	0	107.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (in Millions)	0	107.8	0	0	0	0	0	0	0	107.8
Unit Cost (in M)	0	12.9	0	0	0	0	0	0	0	12.9

MISSION AND DESCRIPTION:

The objective of this program is to procure eight additional HH-60 helicopters. The aircraft will be acquired from the US Army multi-year contract with Sikorsky and converted to the latest combat rescue configuration to meet operational requirements. The FY97 program provides funds for the procurement of eight HH-60 helicopters to include missionization for the Combat Search and Rescue (CSAR) mission. Procurement of these eight helicopters fixes a force structure deficit, satisfies attrition reserve requirements, provides the capability to meet ongoing operations without using Special Operations Forces, and allows the Air Force to support the Committee on Roles and Missions recommendations and Secretary of Defense direction to become the executive agent for CSAR.

FY98/99 PROGRAM JUSTIFICATION: N/A

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Procurement Other Aircraft/BA 4		B. Popular Name HH-60		C. Manufacturer Sikorsky Startford, CT		D. Date		Feb-97
	FY96	QTY 0	FY97	QTY 8	FY98	QTY 0	FY99	QTY 0	
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
AIRFRAME/CFE		0.0	6.2	49.2		0.0		0.0	0.0
PROPULSION		0.0	1.6	12.7		0.0		0.0	0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0	0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0	0.0
AVIONICS		0.0	3.8	30.0		0.0		0.0	0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0	0.0
OTHER GFE		0.0	0.4	3.1		0.0		0.0	0.0
ECO (All Flyaway Components)		0.0		0.0		0.0		0.0	0.0
NON-RECURRING COSTS		0.0		0.0		0.0		0.0	0.0
MISSIONIZATION		0.0	1.0	8.0		0.0		0.0	0.0
Subtotal FLYAWAY COSTS	0.0	0.0	12.9	103.0	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		0.0	0.0
ENGINE PGSE		0.0		0.0		0.0		0.0	0.0
AVIONICS PGSE		0.0		4.0		0.0		0.0	0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0		0.0		0.0	0.0
PUBLICATIONS/TECH. DATA		0.0		0.8		0.0		0.0	0.0
OTHER (ICS)		0		0.0		0.0		0.0	0.0
S/W INVESTMENT		0.0		0.0		0.0		0.0	0.0
Program Management Admin Reqmt (PMAR)		0.0		0.0		0.0		0.0	0.0
OTHER		0.0		0.0		0.0		0.0	0.0
Subtotal SUPPORT COST		0.0		4.8		0.0		0.0	0.0
GROSS P-1 COST		0.0		107.8		0.0		0.0	0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0	0.0
21 NET P-1 COST		0.0		107.8		0.0		0.0	0.0

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE	
FY98 Defense Budget Submission										February 97	
B. Appropriation/Budget Activity											
3010/ BA 04 / OTHER AIRCRAFT											
C. P.1 Item Nomenclature											
HH - 60											
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available	
AIR VEHICLE											
FY97	Sikorsky Stratford, CT	Multi - year option fixed price	US Army ATCOM	Apr-97	Apr-98	8	12.9	Yes	Yes	Dec-96	
D. REMARKS:											

EXHIBIT P-5A Procurement History and Planning

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	C-37A (Small VCX)	

	FY 1996	FY 1997	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY		2								2
COST (IN millions)		99.2								99.2
Initial Spares (in M)		3.8								3.8
Total (in Millions)		103.0								103.0
Unit Cost (in M)		49.6								49.6

MISSION AND DESCRIPTION:

The C-37A is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

FY97 PROGRAM JUSTIFICATION:

The FY97 program provides funds for the procurement of two commercial, off-the-shelf, long-range aircraft as well as missionization of these aircraft. The current C-137 fleet averages 35 years of age, is costly to operate and lacks the performance and safety features common in commercial aircraft. Replacement aircraft are required that offer improved reliability, reduced O&S costs, compliance with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.

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AIRCRAFT COST ANALYSIS										
EXHIBIT P-5										
(Dollars in Millions)										
A. Appn/Budget Activity Title/No.			B. Popular Name			C. Manufacturer		D. Date		
Aircraft Procurement			C-37A (Small VCX)			TBD				
Other Aircraft/BA 4										
FY96			FY97		FY98		FY99		Feb-97	
QTY			QTY		QTY		QTY		QTY	
0			2		0		0		0	
Total			Total		Total		Total		Total	
Cost			Cost		Cost		Cost		Cost	
Unit			Unit		Unit		Unit		Unit	
Cost			Cost		Cost		Cost		Cost	
AIRFRAME/CFE			99.2		0.0		0.0		0.0	
COMMUNICATIONS SYSTEM			0.0		0.0		0.0		0.0	
ENGINE/ACCESSORIES			0.0		0.0		0.0		0.0	
Eng Model:			0.0		0.0		0.0		0.0	
AVIONICS			0.0		0.0		0.0		0.0	
WEAPON DELIVERY SYSTEM			0.0		0.0		0.0		0.0	
SE/PM			0.0		0.0		0.0		0.0	
ECO (All Flyaway Components)			0.0		0.0		0.0		0.0	
NON-RECURRING COSTS			0.0		0.0		0.0		0.0	
MISSIONIZATION			0.0		0.0		0.0		0.0	
Subtotal FLYAWAY COSTS			99.2		0.0		0.0		0.0	
AIRFRAME PGSE (Deferred Logistics)			0.0		0.0		0.0		0.0	
ENGINE PGSE			0.0		0.0		0.0		0.0	
AVIONICS PGSE			0.0		0.0		0.0		0.0	
PECULIAR SUPPORT EQUIPMENT			0.0		0.0		0.0		0.0	
PUBLICATIONS/TECH. DATA			0.0		0.0		0.0		0.0	
OTHER (ICS)			0		0.0		0.0		0.0	
SW INVESTMENT			0.0		0.0		0.0		0.0	
Program Management Admin Reqmt (PMAR)			0.0		0.0		0.0		0.0	
OTHER			0.0		0.0		0.0		0.0	
Subtotal SUPPORT COST			0.0		0.0		0.0		0.0	
GROSS P-1 COST			99.2		0.0		0.0		0.0	
20 LESS: Prior Yr Adv. Proc			0.0		0.0		0.0		0.0	
21 NET P-1 COST			99.2		0.0		0.0		0.0	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE		Feb-97	
FY98/99 Presidents Budget													
B. Appropriation/Budget Activity				C. P-1 Item Nomenclature									
Aircraft Procurement/BA04, Other Aircraft				C-37A (Small VCX)									
Cost Elements	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available			
Fiscal Year													
<u>AIR VEHICLE</u>													
FY97	Competitive	FFP	ASC/LAAV	May-97	Aug 98	2	49.6	No					
D. REMARKS:													

EXHIBIT P-5A Procurement History and Planning

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BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft		C-32 (VCX)	

	Prior	FY 1996	FY 1997	FY 1998	FY1999	FY2000	FY 2001	FY 2003	To Comp	Total
QUANTITY				2	2					4
COST (IN millions)				190.1	167.0					357.1
Initial Spares (in M)				0	0	59.5				59.5
Total (in Millions)				190.1	167.0	59.5				416.6
Unit Cost (in M)				94.5	83.5					89.3

MISSION AND DESCRIPTION:

The C-32 is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

FY98/99 PROGRAM JUSTIFICATION:

The FY 98/99 program provides funds for the procurement of four C-32A aircraft - Boeing 757-200s. These aircraft are being acquired under a FY 96 commercial lease-to-purchase contract. The current C-137 fleet averages 35 years of age, is costly to operate and lacks performance and safety/navigation features inherent on modern commercial aircraft. The C-32A provides improved reliability, lower operating and support costs, will incorporate the latest navigation and safety features, and comply with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.

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AIRCRAFT COST ANALYSIS									
EXHIBIT P-5									
(Dollars in Millions)									
	A. Appn/Budget Activity Title/No. Aircraft Procurement Other Aircraft/BA 4		B. Popular Name C-32 (VCX)		C. Manufacturer Boeing Seattle, WA		D. Date		Feb-97
	FY96	QTY 0	FY97	QTY 0	FY98	QTY 2	FY99		
								Unit Cost	
AIRFRAME/CFE		0.0			89.3	178.6	77.5	155.0	QTY 2
PROPULSION		0.0				0.0		0.0	Total Cost
ENGINE/ACCESSORIES		0.0				0.0		0.0	0.0
Eng Model: F-118-GE-100		0.0				0.0		0.0	0.0
AVIONICS		0.0				0.0		0.0	0.0
WEAPON DELIVERY SYSTEM		0.0				0.0		0.0	0.0
OTHER COSTS (FAA/Service Bulletins)		0.0			5.2	10.4	6.0	12.0	0.0
ECO (All Flyaway Components)		0.0				0.0		0.0	0.0
NON-RECURRING COSTS		0.0				0.0		0.0	0.0
MISSIONIZATION		0.0				0.0		0.0	0.0
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	94.5	189.0	83.5	167.0	0.0
AIRFRAME PGSE (Deferred Logistics)		0.0				0.0		0.0	0.0
ENGINE PGSE		0.0				0.0		0.0	0.0
AVIONICS PGSE		0.0				0.0		0.0	0.0
PECULIAR TRAINING EQUIPMENT		0.0				0.0		0.0	0.0
PUBLICATIONS/TECH. DATA		0.0				0.0		0.0	0.0
OTHER (ICS)		0				0.0		0.0	0.0
S/W INVESTMENT		0.0				0.0		1.1	0.0
Program Management Admin Reqmt (PMAR)		0.0				0.0		0.0	0.0
OTHER		0.0				0.0		0.0	0.0
Subtotal SUPPORT COST		0.0				1.1		0.0	0.0
GROSS P-1 COST		0.0				190.1		167.0	0.0
20 LESS: Prior Yr Adv. Proc		0.0				0.0		0.0	0.0
21 NET P-1 COST		0.0				190.1		167.0	0.0

EXHIBIT P-5

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE		Feb-97	
FY98/99 Presidents Budget													
B. Appropriation/Budget Activity										C. P-1 Item Nomenclature			
Aircraft Procurement/BA04, Other Aircraft										C-32 (VCX)			
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available			
<u>AIR VEHICLE</u>													
FY 98	Boeing Company	FFP	ASC/LAAV	Aug-96	Jan 98	2	94.5	Yes	No	N/A			
FY 99	Boeing Company	FFP	ASC/LAAV	Aug-96	Oct-99	2	83.5	Yes	No	N/A			
D. REMARKS:													

EXHIBIT P-5A Procurement History and Planning

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT		Joint STARS

	Prior	FY 1996	FY1997	FY1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	6	2	2	1	2	2	2	2	0	19
COST (In Millions)	1316.0	467.8	536.9	336.4	671.3	593.7	518.0	407.6	36.4	4884.1
Initial Spares (in M)	99.2	68.8	0.0	35.1	95.2	65.3	52.7	36.1	27.8	480.2
Total (In Millions)	1415.2	536.6	536.9	371.5	766.4	659.0	570.7	443.7	64.3	5364.3
Unit Cost (in M)										

MISSION AND DESCRIPTION:

The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-of-maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in real-time, compared with current interdiction missions which are performed on a preplanned basis.

FY98 PROGRAM JUSTIFICATION:

Procure 1 aircraft and associated support.

FY99 PROGRAM JUSTIFICATION:

Procure 2 aircraft and associated support.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc		B. Popular Name Joint Stars		C. Manufacturer		D. Date	
	AF/BA04 Other Aircraft				Northrop Grumman Corp		Feb-97	
	FY96	QTY 2 Total Cost	FY97	QTY 2 Total Cost	FY98	QTY 1 Total Cost	FY99	QTY 2 Total Cost
AIRFRAME/CFE	120.5	240.9	115.1	230.2	128.9	128.9	136.0	272.0
ENGINE/ACCESSORIES								
AVIONICS: CFE	67.9	135.8	71.3	142.6	81.3	81.3	76.3	152.6
GFE	4.1	8.2	2.4	4.8	4.9	4.9	2.6	5.2
ARMAMENT								
OTHER GFE								
ECO	0.4	0.8	1.8	3.6	21.4	21.4	44.7	89.3
NON-RECURRING COSTS	7.7	15.3	12.7	25.3	16.4	16.4	8.2	16.4
OTHER COSTS	40.3	80.6	31.3	62.6	60.9	60.9	36.8	73.5
Subtotal FLYAWAY COSTS	240.8	481.6	234.6	469.1	313.8	313.8	304.5	609.1
AIRFRAME PGSE								
ENGINE PGSE								
AVIONICS PGSE		0.7		3.4		7.8		4.8
PECULIAR TRAINING EQUIPMENT		5.2		12.5		5.8		6.1
PUBLICATIONS/TECH. DATA		1.4		4.9		5.1		5.1
OTHER		31.9		34.4		32.7		43.1
PRGM MGT ADMIN (PMA)		0.1		0.0		15.7		15.2
Subtotal SUPPORT COST		39.3		55.2		67.1		74.3
GROSS P-1 COST		520.9		524.3		380.9		683.4
20 LESS: Prior Yr Adv. Proc		-148.8		-128.5		-67.0		-115.2
21 NET P-1 COST		372.1		395.8		314.0		568.2

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EXHIBIT P-5 92

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						A. DATE				
B. APPROPRIATION/BUDGET ACTIVITY						Feb-97				
C. P-1 ITEM NOMENCLATURE										
AIRCRAFT PROCUREMENT, AF/BA04/OTHER AIRCRAFT						Joint STARS				
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AIRFRAME										
FY96	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	DEC 96	MAY 99	2	240.8	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	MAY 97	MAR 00	2	234.6	YES	YES	ONGOING
FY98	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	OCT 97	JAN 01	1	313.8	YES	YES	ONGOING
FY99	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	OCT 98	JUN 01	2	304.5	YES	YES	ONGOING
SUPPORT										
FY96	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	NOV 95	*	N/A	N/A	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	NOV 96	*	N/A	N/A	YES	YES	ONGOING
FY98	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	NOV 97	*	N/A	N/A	YES	YES	ONGOING
FY99	GRUMMAN/MELBOURNE	SS/FP	ESC/JSK	NOV 98	*	N/A	N/A	YES	YES	ONGOING

NOTE: FIRST EIGHT AIRCRAFT WILL BE ON A LOW RATE INITIAL PRODUCTION (LRIP) CONTRACT (REFERENCE UNDER SECRETARY OF DEFENSE (A&T) MEMORANDUM JOINT STARS (JSTARS) PRODUCTION (U) JUN 15, 1995).

* Support Cost consist of items such as PSE, CSE, Training. Date of first delivery will be lead time to support A/C delivery schedule

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FY94/95 BUDGET, PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: Joint STARS										DATE: Feb-97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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FY94/95 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: Joint STARS										DATE: Feb-97																			
Item/Manufacturer/ FY96 BES Database PE: 27581F BPAC:	S E R V	QTY	PROC TO	ACCEP PRIOR	BAL DUE AS OF 1 OCT	FISCAL YEAR 98												FISCAL YEAR 99																					
						CALENDAR YEAR 98												CALENDAR YEAR 99																					
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S										
JSTARS/GRUMMAN						C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E										
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P											
FY93	AF	2		2	0																																		
FY94	AF	2	1		1																																		
FY95	AF	2	0	2																																			
FY96	AF	2	0	2																																			
FY97	AF	2	0	2																																			
FY98	AF	1	0	1																																			
FY99	AF	2	0	2																																			
FY00	AF	2	0	2																																			
FY01	AF	2	0	2																																			
FY02	AF	2	0	2																																			
TOTAL		19	3	16																																			
MANUFACTURER'S NAME AND LOCATION	RD D+	MIN SUST	PRODUCTION RATES 1-8-5	MAX		PROCUREMENT LEAD TIMES												REMARKS																					
						ADMIN LEAD TIME						MFG TIME						TOTAL AFTER 1 OCT						NO LONG LEAD TIME INCLUDED															
						PRIOR 1 OCT	AFTER 1 OCT																																
Northrop Grumman Corporation PO Box 9650 Melbourne FL 32902			1	4	5	2	5																																

BUDGET ITEM JUSTIFICATION SHEET			Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT (ADV BUY) / BA04, OTHER AIRCRAFT		Joint STARS	

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (In Millions)	554.6	95.8	141.0	22.4	103.0	125.4	120.0	0	0	1162.2

MISSION AND DESCRIPTION:

The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-of-maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in real-time, compared with current interdiction missions which are performed on a preplanned basis.

FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

FY99 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

NOTE:

FY97 Advance Buy funds include funding for FY98 aircraft (P11 - \$55.6M), FY99 aircraft (P12 - \$55.5M), and FY99 aircraft (P13 - \$29.8M) (partial requirement)). FY98 Advance Buy funding of \$22.4M funds the balance of FY99 aircraft (P13 - Long Lead requirements). FY95 Advance Buy included \$99.9M for the procurement of remaining aircraft platforms and mission equipment (FY96-02).

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, DOLLARS IN THOUSAND)					PRIOR YEAR FOR FISCAL YEAR PROGRAM: FY 1995 for FY 1996		
					Date	Feb-97	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Total Cost	Actual Contract Cost	
BASIC CONTRACT EFFORT	2	Jul-95	FY99	(5/12) 17	128.2	127.5	
OVER AND ABOVE MODIFICATIONS	2	Jul-95	FY99	(5/12) 17	41.0	40.9	
CONFIGURATION UPDATE	2	Jul-95	FY99	(5/12) 17	1.3	1.3	
DIMINISHING MANUFACTURING	2	Jul-95	FY99	(5/12) 17	5.0	5.0	
MULTI-YR AIRCRAFT BUY	11	Jul-95	FY99	(5/12) 17	41.5	29.3	
MILSTRIP	2	Jul-95	FY99	(5/12) 17	0.3	0.3	
SUBTOTAL					217.3	204.2	
EOQ (MYP)							
SUBTOTAL					0.0	0.0	
TOTAL					217.3	204.2	
NARRATIVE DESCRIPTION: The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements. The Multi-year category includes airframe purchases, storage, inspections, and selection costs. Actuals through 31 Dec 96							

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, DOLLARS IN THOUSAND)					CURRENT YEAR FOR FISCAL YEAR PROGRAM: FY 1996 for FY 1997		
					Date	Feb-97	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost	
BASIC CONTRACT EFFORT	2	Jul-96	FY00	(5/12) 17	34.7	69.5	
OVER AND ABOVE MODIFICATIONS	2	Jul-96	FY00	(5/12) 17	11.0	22.0	
CONFIGURATION UPDATE	2	Jul-96	FY00	(5/12) 17	1.0	2.0	
DIMINISHING MANUFACTURING	2	Jul-96	FY00	(5/12) 17	1.0	2.0	
MILSTRIP	2	Jul-96	FY00	(5/12) 17	0.2	0.3	
SUBTOTAL					47.9	95.8	
EOQ (MYP)							
SUBTOTAL					0.0	0.0	
TOTAL					47.9	95.8	

NARRATIVE DESCRIPTION:

The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION) (TOA, DOLLARS IN THOUSAND)					BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM: FY 1997 for FY 1998		
Advance Procurement/Advance Funding Items					Date	Feb-97	
					Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required		(5/12) 17	46.7	116.7
OVER AND ABOVE MODIFICATIONS	2.5	Dec 96 (P-11) Oct 97 (P12,13)	FY01				
CONFIGURATION UPDATE	2.5	Dec 96 (P-11) Oct 97 (P12,13)	FY01		(5/12) 17	8.0	20.0
DIMINISHING MANUFACTURING	2.5	Dec 96 (P-11) Oct 97 (P12,13)	FY01		(5/12) 17	0.8	2.0
MILSTRIP	2.5	Dec 96 (P-11) Oct 97 (P12,13)	FY01		(5/12) 17	0.8	2.0
	2.5	Dec 96 (P-11) Oct 97 (P12,13)	FY01		(5/12) 17	0.1	0.3
SUBTOTAL						56.4	141.0
EOQ (MYP)							
SUBTOTAL						0.0	0.0
TOTAL						56.4	141.0
NARRATIVE DESCRIPTION: The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements. FY97 Advance Buy funds include funding for P11 (\$55.6M), P12 (\$55.5M), and P13 (\$29.8M) ((partial requirement)). FY98 Advance Buy funding of \$22.4M are balance of P13 Long Lead funds.							

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION) (TOA, DOLLARS IN THOUSAND)					BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM: FY 1998 for FY 1999		
					Date	Feb-97	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost	
BASIC CONTRACT EFFORT	0.5	1QTR FY98 (P13)	FY02	(5/12) 17	N/A	22.4	
OVER AND ABOVE MODIFICATIONS	0.5	1QTR FY98 (P13)	FY02	(5/12) 17			
CONFIGURATION UPDATE	0.5	1QTR FY98 (P13)	FY02	(5/12) 17			
DIMINISHING MANUFACTURING	0.5	1QTR FY98 (P13)	FY02	(5/12) 17			
MILSTRIP	0.5	1QTR FY98 (P13)	FY02	(5/12) 17			
SUBTOTAL					0.0	22.4	
EOQ (MYP)							
SUBTOTAL					0.0	0.0	
TOTAL					0.0	22.4	

NARRATIVE DESCRIPTION:

The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

FY98 Advance Buy funds include funding for P13 (partial requirement). Balance P13 Advance Buy funds (\$29.8M) funded in FY97.

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT	PREDATOR UNMANNED AERIAL VEHICLE	

	FY96/Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY SYS		2	3	2	0	0	0	0	0	7
QUANTITY A/V		16	15	11	9	1	1	1	0	54
ATTRITION A/V		8	3	3	9	1	1	1		26
COST (In Millions)		107.8	116.5	79.3	45.1	6.5	6.7	6.9	0	368.8

MISSION AND DESCRIPTION:

The Predator Medium Altitude Endurance (MAE) Unmanned Aerial Vehicle was acquired as an ACTD program using non-developmental assets in response to an urgent requirement identified by the Joint Chiefs of Staff in July 1993. The requirement was for a long dwell (24-hour plus coverage of a target beyond line-of-sight), autonomous, unmanned, reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Commander. The air vehicle carries electro-optical (EO), Infra-Red (IR), and synthetic aperture radar (SAR) sensors, and is capable of transmitting near real time imagery to the task force commander throughout his operational theater. The system is compatible with the current C4I architecture. A total of 13 systems of the 16 systems requirement is being procured. The operational configuration consists of four air vehicles, one Ground Control Station, one Trojan Spirit II and associated ground support equipment. Six Ground Control Stations, three Trojan Spirits and twenty-one air vehicles (of which two were combat losses) with various payloads were acquired during the ACTD RDT&E program. The system has been successfully demonstrated in a number of CONUS exercises and has twice deployed to the Bosnia theater of operation in support of the peace keeping operations. Based on the operations performance, and maturity of the system, the Joint Staff has concluded that the Predator System provides significant military utility. The Joint Staff identified a requirement for sixteen completely operational systems with additional attrition air vehicles and spares. The Defense Airborne Reconnaissance Office (DARO) has also identified a need for an additional Ground Control Station and air vehicles with EO/IR and SAR payloads to support RDT&E efforts which include deicing, Mode IV IFF, and Air Traffic Control System (VOX), as well as additional Payloads, Heavy Fuel Engine and UAV CARS as required. Procurement funding includes system production, production support, engineering services, acceptance testing and evaluation, Interim Logistics Contractor Support, and Integrated Logistic Support. FY97 funding procures two complete systems, deicing kits attrition air vehicles, additional air vehicles, SARS, Ku-Band Data Links, Trojan Spirit IIs to bring original ACTD assets up to six complete operational systems (Note: the original ACTD systems only had three air vehicles, operational systems have four, and did not include all SARS, Trojan Spirits and logistics required).

FY 98 PROGRAM JUSTIFICATION:

FY98 funding supports the procurement of three systems and cut-in and retrofit of UHF/VHF Voice (VOX) and Mode IV IFF.

FY 99 PROGRAM JUSTIFICATION:

FY99 funding supports the procurement of two systems and continued retrofit of VOX and Mode IV IFF.

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AIRCRAFT COST ANALYSIS		A. Appn/Budget		D. Date		Feb-97
EXHIBIT P-5		Activity Title/No.		Predator Unmanned Aerial Vehicle		
(Dollars in Millions)		10/35205F		General Atomics / Northrop-Grumman/ Versitron		
Predator Systems System: Air Vehicles, Data Links, SARs, Ground Control Stations, and Trojan Spirit P3I Production Support Interim Contractor Logistics Support Integrated Logistics Support	FY96	QTY	FY97	FY98	FY99	QTY
	Unit	Total	Unit	Unit	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost
TOTAL SYSTEM COST NOTE: The FY97 funding includes additional air vehicles, SARs, Data Links, Trojan Spirits and Logistics Support to bring the original ACTD assets up to six complete operational systems.	0	0.0	0	0	0	79.3

EXHIBIT P-5

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)			A. Appn/Budget Activity Title/No.				Predator Unmanned Aerial Vehicle General Atomics / Northrop-Grumman/ Versitron					D. Date	Feb-97
B. APPROPRIATION / BUDGET ACTV Aircraft Procurement, Air Force			3010/35205F										
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAIL			
Predator FY97 Systems	2.0	N/A	PEO(CU) - UAV JPO		SS/FFP	General Atomics San Diego, CA	Mar-97	Dec-97	Yes				
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP	Lockheed Martin Salt Lake City, UT	Mar-97	May-98	Yes				
SAR Payload		N/A	PEO(CU) - UAV JPO		SS/FFP	Northrop Grumman Baltimore, MD	Mar-97	May-98	Yes				
Trojan Spirit II		N/A	CECOM		CP/FFP	Electro Space Sys Richardson TX	Jul-97	Aug-98	Yes				
FY98 Systems	3.0	N/A	PEO(CU) - UAV JPO		SS/FFP	General Atomics San Diego, CA	Mar-98	Dec-98	Yes				
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP	Lockheed Martin Salt Lake City, UT	Mar-98	Dec-98	Yes				
SAR Payload		N/A	PEO(CU) - UAV JPO		SS/FFP	Northrop Grumman Baltimore, MD	Mar-98	Dec-98	Yes				
Trojan Spirit II		N/A	CECOM		CP/FFP	Electro Space Sys	Jul-98	Aug-99	Yes				
FY99 Systems	2.0	N/A	PEO(CU) - UAV JPO		SS/FFP	General Atomics San Diego, CA	Mar-99	Dec-99	Yes				
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP	Lockheed Martin Salt Lake City, UT	Mar-99	Dec-99	Yes				
SAR Payload		N/A	PEO(CU) - UAV JPO		SS/FFP	Northrop Grumman Baltimore, MD	Mar-99	Dec-99	Yes				

EXHIBIT P-5A

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FY98/99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE PREDATOR UNMANNED AERIAL VEHICLE										DATE 'February 1997												B A L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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FY98/99 BUDGET PRODUCTION SCHEDULE	DATE	B
P-1 ITEM NOMENCLATURE		B
PREDATOR UNMANNED AERIAL VEHICLE)		A

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P-1 SHOPPING LIST

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BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY								
AIRCRAFT PROCUREMENT AF (3010)/BA06								
	1996	1997	1998	1999	2000	2001	2002	2003
Replenishment Spares	146.170	97.742	60.120	62.127	62.488	63.420	84.816	104.481
Initial Spares	395.320	72.904	289.890	369.589	502.381	544.933	533.442	690.234
TOTAL COST								
(MILLIONS)	541.490	170.646	350.010	431.716	564.869	608.353	618.258	794.715
MISSION AND DESCRIPTION								
<p>Program Definition: Aircraft Replenishment Spares (Budget Program 150000):</p> <p>This program finances AFSF exempt investment spares and repair parts needed to provide spares support for all aircraft and support equipment. Investment items are distinguished from expendable items in that investment items are subject to depot repair (XD items) and are not discarded until depot repair is no longer economical. The requirement is based on an item specific failure/demand driven computation that supports the flying hour program leadtime away. The average leadtime is three years. Example items include landing gear struts, fire control computers, inertial navigation units, and engine turbine wheels.</p> <p>The only replenishment spares funds remaining in this central procurement account are for spares in support of classified programs, i.e., DARP and COMPASS CALL. These items are not managed by the Standard Base Supply System (SBSS), thus are exempt from the stock fund concept. During the 98 BES two initiatives changed BP 15 funding 1) cartridge actuated or propellant actuated devices (CAD/PAD)--items for aircraft ejection systems--transferred to appropriation 3011, BP 35, and 2) funding for non-stocklisted items supporting contractor logistics support (CLS) systems moved to appropriation 3400 (O&M).</p> <p>Program Definition: Aircraft Initial Spares (Budget Program 160000):</p> <p>This program finances whole spare engines and modules and repairable investment items including some items being newly introduced to the Air Force Inventory. Beginning in FY94, most initial spares were procured through the AFSMBA (DBOF). As the funds are expended, the AFSMBA (DBOF) will be reimbursed by this central procurement account as the funds actually outlay. The effect of this change was a shift of funds to the right which may give the appearance of ramping requirements. However, it is important to note that this means that the funds budgeted in FY95 and FY96 for example largely represent the payments for obligations already incurred by the DBOF but is really a shift in financing strategy. Initial spares are funded in the four program segments described on the attached page.</p>								

AIRCRAFT PROCUREMENT, AF (3010)/BA06 (Continued)

Initial Weapon System Spares. (Budget Program 161000)

This program finances whole spare engines and engine modules, aircraft spares, and peculiar ground support equipment spares to support initial operations of new aircraft.

Common Ground Support Equipment (GSE) Spares. (163000)

This program finances spares required to support new or replacement aircraft common support equipment.

Aircraft Modification Spares. (Budget Program 164000)

This program finances new spare parts needed during the initial operation of modified airborne systems.

Other Production Spares. (Budget Program 169000)

This program finances spare parts introduced to the inventory for the first time in support of other production charges - BP1900 (e.g. spares for electronic countermeasure pods and special classified systems).

FY97 Program Justification:

The FY97 total aircraft spares request decreased primarily due to rephrasing of initial spares based on revised delivery pattern. The C-17, E-8, B-2 and aircraft modification programs continue to make up the bulk of the budget request.

Funding Summary:

	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>
REPLENISHMENT SPARES	146.170	97.742	60.120	62.127	62.488	63.420	84.816	104.481
INITIAL SPARES								
INITIAL WEAPON SYS SPARES	268.653	49.119	191.779	269.235	393.872	374.927	393.305	507.873
COMMON GSE SPARES	3.096	1.956	12.697	15.524	15.762	27.503	27.097	27.170
MODIFICATION SPARES	115.455	11.199	67.534	66.468	72.761	103.822	92.035	135.100
OTHER PRODUCTION SPARES	8.116	10.630	17.880	18.362	19.986	38.681	21.005	20.091
TOTAL INITIAL SPARES	<u>395.320</u>	<u>72.904</u>	<u>289.890</u>	<u>369.589</u>	<u>502.381</u>	<u>544.933</u>	<u>533.442</u>	<u>690.234</u>
TOTAL SPARES & REPAIR PARTS	541.490	170.646	350.01	431.716	564.869	608.353	618.258	794.715

REPLENISHMENT SPARES FUNDING SUMMARY AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06					DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
1	CLS SYSTEMS/TRAINERS	47.204	36.209	0.000	0.000
2	CLASSIFIED PROGRAMS	77.787	50.804	60.120	62.127
3	CAD/PAD	21.179	10.729	0.000	0.000
TOTAL REPLENISHMENT SPARES		146.170	97.742	60.120	62.127

INITIAL SPARES FUNDING AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06						DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999	
1	WEAPON SYSTEM SPARES	268.653	49.119	191.779	269.235	
2	SUPPORT EQUIPMENT SPARES	3.096	1.956	12.697	15.524	
3	MODIFICATION SPARES	115.455	11.199	67.534	66.468	
4	OTHER PRODUCTION SPARES	8.116	10.630	17.880	18.362	
TOTAL INITIAL SPARES		395.320	72.904	289.890	369.589	

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**FY 98/99 PRESIDENT'S BUDGET
BP12 COMMON SUPPORT EQUIPMENT
FEBRUARY 1997**

UNCLASSIFIED

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**FY 98/99 BUDGET ESTIMATE SUBMISSION
BUDGET ACTIVITY 07 (DOLLARS IN MILLIONS)
(BP 12) COMMON SUPPORT EQUIPMENT (CSE)
FEBRUARY 1997**

NOUN	NSN	FY98		FY99	
		QTY	AMOUNT	QTY	AMOUNT
Compressor, Gas Turbine A/M32-A-95	2835-01-390-1807YZ	141	20.813	141	21.541
Compass Calibrator	4920-01-328-3419NT	33	2.816	0	0.000
Hydraulic Component Test Stand	4920-00-450-0553	0	0.000	42	8.259
Interim Contractor Support (ICS)			2.425		1.850
Generator Test Stand	4920-01-395-4067	28	4.646	0	0.000
Stores Management Test Set	4920-01-302-1170WF	51	7.672	0	0.000
Stores Release Test Set	4920-01-302-1169WF	26	6.836	0	0.000
Air Conditioner, PD501	4120-01-167-5470	13	3.840	0	0.000
Air Conditioner, MA-3D	4120-00-998-6673	59	3.418	0	0.000
Joint Service Electronic Combat System Tester	NSL	0	0.000	38	17.324
New Generation Heater	NSL	0	0.000	1200	12.000
Truck Mounted Deicer	1730-00-555-6205	51	10.729	62	13.764
Noise Suppressor, Large Turbo Fan Engine	4920-01-082-1095	1	3.046	0	0.000
MJ-40 Lift Truck	1730-01-147-1735	33	9.871	12	3.670
Self-Generating Nitrogen Servicing System	3655-01-347-9055	2	0.750	233	16.688
Universal Maintenance Stand, Diesel, Split Deck	1730-01-370-4268	53	7.144	9	1.283
R.F. BRAT Ruggedized	4920-NC-D01-5256DQ	7	15.270	0	6.200
Radar Test Station	4920-01-413-9279DQ	5	12.103	0	6.400
MHU-110 Munitions Trailer	1740-00-403-8235	0	0.000	85	3.676
C-5 Empennage Stand	1730-00-158-3039	1	1.327	5	4.223
Automatic Tester	4920-01-282-4191DQ	12	3.790	0	0.000
Maintenance Platform, High Reach	1730-01-249-0097	7	4.453	0	0.000
Items Less Than \$2 Million			30.289		48.505
TOTAL			151.238		165.383

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				BUDGET PROGRAM 1200 OVERVIEW			
QUANTITY	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02
COST (In Mil)	\$207.872	\$160.092	\$151.238	\$165.383	\$193.143	\$200.951	\$177.051
							\$176.423

A. DESCRIPTION/FUNCTION: This program procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.

B. PURPOSE OF PROCUREMENT: Items being replaced range in age from 10 to 30 years old, have frequent failures and spare parts which are no longer available or not economical to repair. Many items are technologically obsolete or are being replaced due to environmental operating constraints.

C. APPLICATION: All Air Force maintained aircraft weapon systems requiring replacement equipment.

D. REQUIREMENTS: Justification is for fiscal years 1998 and 1999. Items of equipment budgeted include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, noise suppressors, fuel servicing carts, generators, maintenance platforms and automatic test equipment.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE Compressor, Gas Turbine A/M32A-95 NSN: 2835-01-390-1807YZ					
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		
QUANTITY	134	194	141	141	0	0	0	0		
COST (In Mil)	\$17.327	\$26.949	\$20.813	\$21.541	\$0	\$0	\$0	\$0		

A. DESCRIPTION/FUNCTION: The A/M32A-95 Gas Turbine Compressor, also known as the Large Aircraft Start System (LASS), is a towable, four-wheeled chassis mounted trailer. It consists of an enclosure assembly which houses a turbine engine, fuel, electrical, and lubrication system, and an air delivery system. The LASS is used to furnish pneumatic pressure/power for ground support of aircraft systems. Its primary mission is to start engines for a variety of aircraft. This is accomplished via a delivery hose which connects to the aircraft's engine(s) and provides compressed air for starting and performing other functions that require large volumes of compressed air. The LASS is 116"X 62"X 68" and weighs 3000 pounds.

B. PURPOSE OF PROCUREMENT: The MA-1A Air Start Carts currently in use in the inventory were designed in the 1955-1957 time frame and provided adequate output to support engines in use at that time. During the intervening years, the size and air requirements of aircraft engines and accessories have increased without a corresponding growth in starting unit capacity/capability. The MA-1A only provides 90 pounds of air at 45 pounds per square inch actual (PSIA) as compared to the LASS's 150 pounds at 48 PSIA. The LASS will use a GTC85-180 series 6 Garrett engine versus the MA-1A's GTC85-70A engine; the new technology via control of fuel flow on demand will provide a cost savings in terms of fuel use efficiency. Unlike the MA-1A, which ran at 100 percent from start, the LASS will start and run at 40 percent and respond/operate at 100 percent when the bleed air valve is opened.

C. APPLICATION: This unit supports all aircraft having air start capability, including the B-52, C-5, C-17, C-130, C-141, E-3, E-4 and T-38.

D. REQUIREMENTS: FY98 - 141 shortages
FY99 - 4 shortages, 137 replacements

E. IMPACT: The MA-1A currently in use does not provide an adequate output of air which is required for the start of the newer generation of aircraft engines. In addition, the increasing age and shortage of parts to repair the MA-1A further necessitates the procurement of the LASS as a replacement. Failure to fund the LASS would result in the loss of large aircraft engine start capability.

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG QTY/DOLLARS 28/\$3.889
AFR QTY/DOLLARS 13/\$1.806

FY97:

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997	
(Cost in thousands of dollars)											
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										C. P-1 ITEM NOMENCLATURE COMPRESSOR, GAS TURBINE A/M32A-95 NSN: 2835-01-390-1807YZ	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY96	LIBBY INT KANSAS CITY, MO	OPTION	AFMC/SA-ALC	MAR 96	AUG 97	134	129,302				
FY97	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 96	APR 98	194	138,910	YES	NO		
FY98	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 97	FEB 99	141	146,723	YES	NO		
FY99	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 98	SEP 99	141	152,774	YES	NO		

D. REMARKS * UNIT COSTS BASED ON OPTIONS TO A FY94 CONTRACT FOR YEARS AND QUANTITIES BEING PROCURED. COST INCLUDES A 12% ENGINE COST INCREASE FOR A MODIFICATION (ENVIRONMENTAL).	
P-1 SHOPP LIST ITEM NO. 63	PAGE NO. Exhibit P-5a Procurement History and Planning

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UNCLASSIFIED REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE
NSN: 2835-01-390-1807YZ

APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCUREMENT, COMMON SUPPORT

EQUIPMENT ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

944
275
218
1437

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

15
42
81
135
0
273

1446

1446

TOTAL DISPOSALS (_51 MONTHS)

PROCUREMENT LEADTIME: 16 months

APPROVED ACQUISITION OBJECTIVE

1446

NET ASSETS:

1164

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

1446
1164
282
141

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

1446
1164
141
141
141

REMARKS:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE						Compass Callibrator MC-2000	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 4920-01-328-3419NT							
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03			
QUANTITY	72	0	33	0	0	0	0	0			
COST (In Mil)	\$6.049	\$0	\$2.816	\$0	\$0	\$0	\$0	\$0	\$0		

- A. DESCRIPTION/FUNCTION: The MC-2000 Compass Calibrator Set is used to perform magnetic compass system alignment when a compass system is installed or one of its components is replaced on an aircraft. The compass system provides primary heading information to aircraft flight instruments used for aircraft navigation.
- B. PURPOSE OF PROCUREMENT: The MC-2000 is compatible with the current state-of-the-art compass systems whereas existing calibrators are not compatible. Existing calibrators are 1960s technology and have low reliability. The MC-2000 set reduces calibration time by at least fifty percent. The MC-2000 Compass Calibrators will increase mission readiness due to shorter aircraft servicing time, is a fully supportable/maintainable system and eliminates the requirement for a Compass Rose. A Compass Rose is physically embossed onto a remote area of the maintenance ramp and is used to align the aircraft axis to the magnetic headings required to calibrate the compass. The MC-2000 also automatically compensates for changing magnetic fields and it will reduce time required to complete compass swings, reduce training requirements and reduce the size and complexity of the calibrator hardware.
- C. APPLICATION: Multiple aircraft
- D. REQUIREMENTS: FY98 - 33 shortages
- E. IMPACT: Without the MC-2000 Compass Calibrator, there will be no capability to calibrate compass systems on SOF aircraft, the B-1B and other strategic, tactical and mobility aircraft where older calibrators are not adequate for compass calibration/alignment. Current systems are unreliable. Depot repair is increasingly difficult due to obsolete parts and increasing negative response from vendors for new procurement and/or repair. Without calibration support, aircraft will be grounded.

F. TYPE ITEM CODE: A

ANG		AFR	
QTY/DOLLARS		QTY/DOLLARS	
FY96	15/\$.981	13/\$.850	
FY98	20/\$1.328	3/\$.199	

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ITEM NO. 63			

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE FEBRUARY 1997				
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME COMPASS CALIBRATOR MC-2000 NSN: 4920-01-328-3419NT				C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION HONEYWELL ALBUQUERQUE, NM								
Weapon System Cost Elements		IDENT CODE	FY 96			FY 97			FY 98			FY 99		
			QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

COMPASS CALIBRATOR WARRANTY	A	72	65,375	4,707 1,342		0		\$0	33	66,400	2,191 .625	0		\$0
TOTAL				\$6,049				\$0			\$2,816			\$0

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE COMPASS CALIBRATOR MC-2000 NSN: 4920-01-328-3419NT			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY96	HONEYWELL	SS/FFP	AFMC/OC-ALC	AUG 96	AUG 97	72	65,375			
FY98	HONEYWELL ALBUQUERQUE, NM	SS/FFP	AFMC/OC-ALC	AUG 98	AUG 99	33	66,400	YES	NO	

D. REMARKS UNIT COSTS FOR FY 96/98 ARE BASED ON A FY92 CONTRACT INFLATED.		
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

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FY8899 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000												DATE: FEBRUARY 1997																
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 97						FISCAL YEAR 98						FISCAL YEAR 99																
										CALENDAR YEAR 97						CALENDAR YEAR 98						CALENDAR YEAR 99																
										96		96		96		96		96		96		96		96		96		96		96		96		96				
										OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP						
										1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct		1-Oct				
FY96										AF	72	0	72																									
FY96 JOINT STARS										AF	3	0	3																									
FY88										AF	33	0	33																									
FY88 DMBA										AF	8	0	8																									
FY88 C-130H										AF	14	0	14																									

UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000
NSN: 4920-01-328-3419NT

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (40 MONTHS)
PROCUREMENT LEADTIME: 14 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

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Exhibit P-20 Requirements Study 36

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE: FEBRUARY 1997		
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE			Test Stand, Hydraulic Component		
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					NSN: 4920-00-450-0553		
	FY96	FY97	FY98	FY99	FY00	FY01	FY02
QUANTITY	0	2	0	42	84	76	0
COST (In Mil)	\$0	\$1.188	\$0	\$8.259	\$16.365	\$15.120	\$0

A. DESCRIPTION/FUNCTION: The Hydraulic Component Test Stand is comprised of two sections. The first section is the drive console which houses a drive panel, pump mounting pad, and skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing controls, indicators, and ports used during test stand operation. The stand is used to check serviceability of aircraft components prior to installation, pressure check locally manufactured hoses, and test repaired aircraft hydraulic components.

B. PURPOSE OF PROCUREMENT: Current test stands will have exceeded their service life by 5 to 10 years at the beginning of production deliveries. Most are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft

D. REQUIREMENTS: FY97 - 2 (First Articles)
FY98 - 0
FY99 - 12 shortages, 30 replacements

E. IMPACT: Failure to procure this Hydraulic Component Test Stand will result in the continued costly repair of old, worn out units, and high manhour expenditures because of decreasing mean-time-between failure (MTBF). Current stands have many parts that are no longer available through the supply system due to obsolescence. The newer aircraft in the inventory have hydraulic pressure requirements in the upper limits of the current stands and may well exceed these limits soon. Lack of proper hydraulic testing could result in possible failure of aircraft components, damage to equipment and aircraft as well as the loss of aircraft and aircrew lives.

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG AFR
QTY/DOLLARS QTY/DOLLARS
18/\$3.414 6/\$1.138

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) <i>(Cost in thousands of dollars)</i>										D. DATE FEBRUARY 1997		
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME		C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553		UNKNOWN								
Weapon System Cost Elements		FY 96		FY 97		FY 98		FY 99				
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
A	0		0	2	261,250	.523	0		0	42	183,696	7,715
TEST STAND, HYDRAULIC COM						.351						0
TECHNICAL DATA						.250						.250
CONTRACTOR INCENTIVE						.050						0
TRAINING						.014						.294
COMMISSIONING ON SITE						1,188						8,259
TOTAL:												

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE
FEBRUARY 1997

B. APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

**C. P-1 ITEM NOMENCLATURE TEST STAND, HYDRAULIC
COMPONENT NSN: 4920-00-450-0553**

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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FY97	UNKNOWN	C/FFP	AFMC/SA-ALC	AUG 97	MAY 02	2	261,250	YES	NO
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	FEB 99	OCT 99	42	183,648	YES	NO

D. REMARKS

2 each First Articles to be retained by manufacturer as production models and delivered as the last production units.

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FY99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: HYD COMPONENT TEST STAND 4920-00-450-0553												DATE: FEBRUARY 1997																							
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 00												FISCAL YEAR 01												FISCAL YEAR 02											
SCHEDULE										CALENDAR YEAR 00												CALENDAR YEAR 01												CALENDAR YEAR 02											
E R V										1-Oct 1-Oct												1-Oct 1-Oct												1-Oct 1-Oct											
QTY PRIOR DUE										QTY PRIOR DUE												QTY PRIOR DUE												QTY PRIOR DUE											
FY97										AF 2 0 2																																			
FY98										AF 42 0 42 1 7 7 7 6																								2											
FY98 (E-8)										4 0 4 4																																			
FY98 (C-130H)										1 0 1 1																																			
FY98 (F-16)										1 0 1 1																																			
FY99										FMS 8 0 8												1 7																							
TOTAL										58 0 58												7 7 7 7 7 7 7 7												0 0											

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYD COMPONENT TEST STAND
NSN: 4920-00-450-0553

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY98 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99:

FY00:

FY01:

FY02:

TOTAL DISPOSALS (49 MONTHS)

PROCUREMENT LEADTIME: 9 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY98

FY97

FY96

EY05

76人30

ACTUAL OTHER THAN TRAINING EXPENDITURE

Y98

Y97

11
-Y96

504
170

190
EY04

REMARKS:

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Exhibit P-20 Requirements Study

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE Interim Contractor Support (ICS)					
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		
QUANTITY										
COST (In Mill)	\$1.948	\$2.000	\$2.425	\$1.850	\$.898	\$.925	\$.839	\$.839		

- A. DESCRIPTION/FUNCTION: Interim Contractor Support (ICS) is a pre-planned, temporary support alternative for the initial period of operational use of new U. S. Air Force weapon systems, equipment or modifications for which eventual organic support is planned. With ICS a contractor provides repair based on operational tempo, reliability and maintainability factors and past/projected failure rates. ICS incorporates non-recurring investment costs such as repair parts procurement, technical data and support equipment.
- B. PURPOSE OF PROCUREMENT: ICS is designed to provide a bridge from an acquisition process to an Air Force self-sustaining program. It allows time for support equipment development/delivery, training and training equipment development/delivery, technical data development/validation and spares identification/delivery.
- C. APPLICATION: Common support equipment ICS funding supports the B-1B, B-52, C-5, C-17, C-130, E-3, F-16, F-15, and KC-135 aircraft. These requirements include all those not identified through other FY98/99 P-series documentation.

	P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE	
(Cost in thousands of dollars)										FEBRUARY 1997	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		INTERIM CONTRACTOR SUPPORT			N/A						
Weapon System Cost Elements		FY 96		FY 97		FY 98		FY 99			
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	TOTAL COST

1. Digital Data Control Module			257								
2. AN/USM-639 Test Set			495			495					150
3. Transmitter Test Set			150			150					900
4. Pacer Comet III			268			268					800
5. F-15 Elect Syst Test Set						641			1,725		
6. E-3 Elect Syst Test Set						296			550		
7. Engine Test/Trim Auto			498								
8. Radar Test Station			280			150					
TOTAL			1,948			2,000			2,425		1,850

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE: FEBRUARY 1997				
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE GENERATOR TEST STAND NSN: 4920-01-395-4067						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT									
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	
QUANTITY	0	1	28	0	0	0	0	0	
COST (in Mil)	\$0	\$0.157	\$4.646	\$0	\$0	\$0	\$0	\$0	

A. DESCRIPTION/FUNCTION: The MC-3 Generator Test stand is used to test aircraft electrical generating system components. The MC-3 consists of two distinct components; the test stand and the separate load bank mounted on a rugged unitized base, with forklift channels, and skidding and lifting provisions. The basic speed range is from 0 to 14,400 RPM, allowing plenty of high speed range for generator tests. The stand is capable of producing 100 horse power continuous; 150 horse power intermittent is available from 4200 to 12,000 RPM, an ideal speed range to permit the test of a wide range of constant speed drives and aircraft generators. The MC-3 allows for interchangeability with mechanical adapter hardware presently in use with the MC-2 Generator Test Stand.

B. PURPOSE OF PROCUREMENT: This procurement is a total replacement program for existing MC-2 stands which are obsolete, no longer procurable, technologically deficient, and have exceeded their estimated service life. The only means of maintenance support for the stands is cannibalization actions which have become increasingly more numerous due to the high failure rate of current systems. This has resulted in a corresponding decrease in the overall number of serviceable systems available for use.

C. APPLICATION: Multiple large and fighter aircraft

D. REQUIREMENTS: FY97: 1 Replacement
FY98: 28 Replacements

E. IMPACT: Without the Generator Test Stand procurement, the ability to test aircraft electrical systems will rapidly decrease with an adverse effect on mission readiness. The MC-3 is the only test stand available that meets the Air Force's needs in the field.

F. TYPE ITEM CODE: A

G: ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
FY98	8/\$1.282	1/\$0.160

P-1 SHOP LIST ITEM NO. 63		PAGE NO.
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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME				C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION				FEBRUARY 1997	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		GENERATOR TEST STAND NSN: 4920-01-395-4067				AVTRON MANUFACTURING, INC INDEPENDENCE, OHIO					
Weapon System Cost Elements		FY 96		FY 97		FY 98		FY 99			
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST

GENERATOR TEST STAND	A	0	0	1	157,000	157	28	160,000	4,486	0	0
TECHNICAL DATA	A		0			0			160		0
TOTAL:						.157			4,646		0

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE GENERATOR TEST STAND NSN: 4920-01-395-4067			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY97	AVTRON MFG INDEPENDENCE, OH	SS/FFP	AFMC/SA-ALC	JAN 97	FEB 98	1	156,750			
FY98	AVTRON MFG	OPTION	AFMC/SA-ALC	MAR 98	JAN 99	28	160,200	YES	NO	

D. REMARKS FY97/98 UNIT COST BASED ON FY95 CONTRACTOR ESTIMATE PLUS INFLATION	
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.
Exhibit P-5a Procurement History and Planning	

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REQUIREMENTS STUDY

DATE: FEBUARY 1997

APPROPRIATION / BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: GENERATOR TEST STAND

NSN: 4920-01-395-4067

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 15 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE STORES MANAGEMENT TEST SET NSN: 4920-01-302-1170WF						
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		
QUANTITY	0	60	51	0	0	0	0	0		
COST (In Mil)	\$0	\$8.827	\$7.672	\$0	\$0	\$0	\$0	\$0		

A: DESCRIPTION/FUNCTION: The Stores Management Test Set is used on the F-16 C/D aircraft when a problem is identified which could prematurely release or prevent the release of a missile, bomb, or gun pod, resulting in a safety hazard to ground crew or other personnel.

B: PURPOSE OF PROCUREMENT: The older model stores management test sets are used on the Block 25/30/40 F-16 C/D aircraft. The test sets range from 5-15 years old. Older test sets use outdated technology, obsolete parts, require depot level modification, and cannot be reprogrammed at the field level. The new Block 50 stores management system test set uses latest technology, new redesigned components, are field level reprogrammable and can be used on any F-16 C/D aircraft by using a software change at the field level.

C: APPLICATION: F-16 C/D aircraft

D: REQUIREMENTS: FY97: 60 Replacements
FY98: 51 Replacements

E: IMPACT: The current test sets cannot be further modified. Without additional capabilities the older test sets cannot check modifications to current systems on the F-16 C/D aircraft. This inability affects the F-16 maintainability and mission support, increasing organizational level and depot level repair of weapons systems. The new block 50 test sets will significantly increase weapons system checks and will provide the using organization with a means to check any new weapons systems used on the aircraft by reprogramming the test sets at the field level.

F: TYPE ITEM: A

G: ANG/AFR: ANG AFR
QTY/DOLLARS QTY/DOLLARS
44/\$6.474 16/\$2.407
FY97

P-1 SHOP LIST ITEM NO. 63	PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE STORES MANAGEMENT SYSTEM TEST SET NSN: 4920-01-302-1170WF			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	LOCKHEED-MARTIN FORT WORTH, TX	SS/FFP	AFMC/OO-ALC	AUG 94	JUN 96	60	138,135			
FY97	LOCKHEED-MARTIN	SS/FFP	AFMC/OO-ALC	MAR 97	JUN 98	60	147,114	YES	NO	
FY98	LOCKHEED-MARTIN	OPTION	AFMC/OO-ALC	MAR 98	JUN 99	51	150,429	YES	NO	

D. REMARKS Unit cost is based on the FY94 contract inflated.		P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5a Procurement History and Planning
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: STORES MANAGEMENT SYSTEM TEST SET
NSN: 4920-01-302-1170WF

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds (See Remarks)
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (40 MONTHS)
PROCUREMENT LEADTIME: 15 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement
TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET NSN: 4920-01-302-1169WF			
QUANTITY	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02
	0	48	26	0	0	0	0
COST (In Mil)	\$0	\$12.342	\$6.836	\$0	\$0	\$0	\$0
							FY 03
							0
							\$0
							\$0

- A. --++-DESCRIPTION/FUNCTION: The Stores Release Test set is a F-16 C/D tester used to identify unserviceable components in aircraft launchers, pylons, bomb racks, gun pods, and bomb/missile adapters. Unserviceable components are replaced and serviceable condition verified with the test set prior to reissue.
- B. PURPOSE OF PROCUREMENT: The block 50 Stores Release Test Set will replace the block 25/30/40 test sets which use old, out dated technology, have obsolete parts, require depot level modification, are weapons system configuration peculiar, and are not reprogrammable. The block 50 Stores Release Test Sets are externally reprogrammable, use latest technology, and can be used on all F-16 C/D weapons systems.
- C: APPLICATION: F-16 C/D aircraft
- D: REQUIREMENTS: FY97: 48 Replacements
FY98: 26 Replacements
- E: IMPACT: The cost to maintain the block 25/30/40 Stores Release Test Sets has become uneconomical. Maintainability of the F-16 weapon systems have become increasingly difficult using obsolete and outdated test sets. The weapons systems will require an increase in depot level/contractor repair and will be unable to support USAF missions. Older test sets are failing at higher rates, becoming increasingly more difficult to repair, and no longer reliable in determining the cause of weapons system failures.

F: TYPE ITEM: A

G: ANG/AFR: ANG AFR
QTY/DOLLARS QTY/DOLLARS
FY97 24/\$6.171 6/\$1.578

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET NSN: 4920-01-302-1169WF			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL

FY94	LOCKHEED MARTIN FORT WORTH, TX	SS/FFP	AFMC/OO-ALC	AUG 94	OCT 96	4	241,434			
FY97	LOCKHEED MARTIN	SS/FFP	AFMC/OO-ALC	MAR 97	MAR 99	48	257,127	YES	NO	
FY98	LOCKHEED MARTIN	OPTION	AFMC/OO-ALC	MAR 98	MAR 00	26	262,922	YES	NO	

D. REMARKS UNIT COST WAS BASED ON FY94 CONTRACT INFLATED.		
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

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FY98-99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: STORES RELEASE TEST SET 4920-01-302-1169WF												DATE: FEBRUARY 1997												L A T E R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 00				FISCAL YEAR 01				FISCAL YEAR 02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: STORES RELEASE TEST SET
NSN: 4920-01-302-1169WF

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 24 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501 DIESEL NSN: 4120-01-167-5470								
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		
QUANTITY	34	0	13	0	0	0	0	0	0	
COST (in Mil)	\$8.173	\$0	\$3.840	\$0	\$0	\$0	\$0	\$0	\$0	

A. DESCRIPTION/FUNCTION: The PD501D Air Conditioner is a diesel engine driven, vapor cycle, trailer mounted unit with a nominal cooling capacity of 1,200,000 BTU/HRS. It provides air via 5 individually controllable outlets at temperatures ranging from 45 to 100 degrees Fahrenheit. Flow rates and maximum outlet pressures of 390 pounds per minute (PPM) at 2.0 pounds per square inch gauged (PSIG), 300 PPM/1.5PSIG, or 220 PPM/3.0PSIG can be selected. It is designed to operate in temperatures from -40 to +115 degrees (F) and provide cooling/heating for electronic equipment during ground checkout and maintenance checks of avionics systems on the B-1B, MC-130H and AC-130U aircraft.

B. PURPOSE OF PROCUREMENT: FY98 will procure initial B-1B shortages.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 13 shortages

E. IMPACT: Failure to support this procurement will result in inadequate support of the B-1B aircraft. Lack of the PD501 Air Conditioner could cause the failure of vital electronic components due to overheating during ground check-out and maintenance. Failure of any of these systems will seriously impair the mission capability of the B-1B aircraft.

F. TYPE ITEM CODE: A

ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
	13/\$3.840	0/\$0

FY98

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501 DIESEL AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY96	Engineering Air Systems, St Louis, MO	OPTION*	AFMC/SA-ALC	NOV 95	OCT 97	34	240,384			
FY98	EAS	OPTION*	AFMC/SA-ALC	NOV 97	DEC 98	13	295,366	YES	NO	

D. REMARKS

* Options to FY90 C/FFP contract. Unit cost based on a Jun 96 modification establishing revised target prices.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501 DIESEL
NSN: 4120-01-167-5470

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

13
78
0
91

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (37 months)
PROCUREMENT LEADTIME: 14 months

0
0
0
0
0
0

NET ASSETS:

91

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

104
91
13
13

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

0
88
16
0

TOTAL REQUIREMENT

104

APPROVED ACQUISITION OBJECTIVE

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D					
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					NSN: 4120-00-998-6673					
QUANTITY	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03		
	255	0	59	0	0	0	0	0		
COST (In Mil)	\$12.667	\$0	\$3.418	\$0	\$0	\$0	\$0	\$0		

- A. DESCRIPTION/FUNCTION: The MA-3D is a diesel engine driven, all weather vapor cycle, trailer mounted, self-contained air conditioner with a nominal cooling capacity of 130,000 BTU/HRS (20 tons). It is designed to provide cooling for electronic equipment during ground check-out and maintenance of avionics by organizational and depot personnel.
- B. PURPOSE OF PROCUREMENT: This procurement program will replace all existing assets containing Chlorofluorocarbons (CFCs). Older units currently in use contain CFCs which have been found harmful to the earth's ozone layer. The replacement air conditioners will comply with the Montreal Protocol on substances that deplete the ozone layer and the Clean Air Act of 1990 which requires the elimination of all R-12 (CFC) refrigerant.
- C. APPLICATION: Multiple Aircraft
- D. REQUIREMENTS: FY98 - 13 shortages, 46 replacements
- E. TYPE ITEM CODE: A
- F. IMPACT: This air conditioner is crucial for flightline use in preventing damage to costly electronic systems due to overheating, and avoiding a health hazard for technicians performing the required maintenance.

G. ANG/AFR: ANG QTY/DOLLARS 0/\$0 AFR QTY/DOLLARS 0/\$0

FY98:

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D NSN: 4120-00-998-6673			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY96	Engineering Air Systems, St Louis, Mo EAS	OPTION *	AFMC/SA-ALC	NOV 95	MAR 97	255	49,676			
FY98		OPTION *	AFMC/SA-ALC	NOV 97	MAY 98	59	57,937	YES	NO	

D. REMARKS

Unit cost based on an Option to FY93 C/FFP contract. FY98 price includes \$1M for ECP to change engines due to new environmental rules.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: AIR CONDITIONER MA-3D
NSN: 4120-00-998-6673

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (27 MONTHS)
PROCUREMENT LEADTIME: 7 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

955	
542	
0	
1497	32
304	
44	
0	865
0	209
0	102
0	
348	1208
1149	1208
	1208
	1149
	61
	61

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST) NSN: NOT STOCK LISTED
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	
QUANTITY	0	0	0	38	78	86	FY 02 0
COST (In Mil)	\$0	\$0	\$0	\$17,324	\$23,121	\$24,734	FY 03 0
							\$0

A. DESCRIPTION/FUNCTION: The Joint Service Electronic Combat System Tester (JSECST) is a flight line end-to-end (ETE) electronic combat system test set capable of verifying electronic combat systems status and assists in providing EC system malfunction diagnostics for the Air Force and the Navy. The JSECST will replace the Navy USM 406C/D, augment the Navy USM 482A and fill a void in current Air Force electronic combat systems testing capability.

B. PURPOSE OF PROCUREMENT: The need for a flightline test capability for EC systems was developed under Combat Air Force 325-92, Joint Combat Air Force-Naval Air Systems Command Mission Need Statement for a flight line Electronic Combat Systems Tester, dated 6 Jan 93. FY99 begins a procurement program to satisfy initial shortages.

C. APPLICATION: Multiple fighter and C-130E/H, HC-130 P/N aircraft

D. REQUIREMENTS: FY99 - 38 shortages

E. IMPACT: Introduction of a flightline EC system tester for combat aircraft is the highest organizational level priority within the Naval Air Systems Command's (NASC) Aviation Support Equipment Program Office and a top priority in the USAF Combat Air Forces (CAF). Failure to procure the JSECST will leave field level units incapable of electronic combat test capability.

F. TYPE ITEM: A

G. ANG/AFR: N/A

H. FY98/99 Air Force RDT&E funding is \$9.528M and \$5.975M respectively. Reference Program Element 64270 of the Air Force Descriptive Summaries.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)												
(Cost in thousands of dollars)												
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.			B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE			D. DATE			
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST) NSN: NSL			AAI HUNT VALLEY, MD			FEBRUARY 1997			
Weapon System Cost Elements			IDENT CODE		FY 96		FY 97		FY 98		FY 99	
					QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST

TESTER	A	0				0					0	38	230,000	8,740
TPS	A	0				0					0			4,900
SYS ENG		0				0					0			1,248
DATA		0				0					0			.297
OTHER COSTS*		0				0					0			2,139
TOTAL		0				0					0			17,324
* OTHER COSTS: PROGRAM MANAGEMENT, ENGINEERING CHANGE ORDER														

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1997				
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY			JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST)							
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT										
COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY99	AAI HUNT VALLEY, MD	SS/FFP	AFMC/ASC-LN	MAY 99	NOV 99	38	230,000	NO		MAY 99

REMARKS			
P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEM
TESTER (JSECST)

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON
SUPPORT EQUIPMENT
ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:

TOTAL DISPOSALS

PROCUREMENT LEADTIME: 13 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96
FY95
FY94
FY93
FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96
FY95
FY94
FY93
FY92

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

REMARKS:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE NEW GENERATION HEATER NSN: NA					
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03		
QUANTITY	0	0	0	1200	1200	1200	1200	850		
COST (In Mil)	\$0	\$0	\$0	\$12,000	\$12,300	\$12,608	\$12,923	\$9,382		

A. DESCRIPTION/FUNCTION: The New Generation Heater is a wheeled, trailer mounted, duct type heater primarily used to provide personnel comfort while performing aircraft maintenance. It heats aircraft cockpits, engines, cargo areas, and temporary structures in various environments using multiple fuels. Most heating units are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft.

D. REQUIREMENTS: FY99 - 1200 replacements

E. IMPACT: Failure to procure this New Generation Heater will result in the continued costly repair of old, worn out, unreliable units, and high manhour expenditures. Current heaters have well exceeded their estimated service life and have continually demonstrated coking problems in the heater combustion area. Additionally, heaters have many parts that are no longer available through the supply system due to obsolescence. Without the new replacements, units will be unable to perform flightline maintenance tasks and impact mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG QTY/DOLLARS 250/\$2,500
AFR QTY/DOLLARS 96/\$,960

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1997				
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				C. P-1 ITEM NEW GENERATION HEATER NSN: N/A						
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY99	UNKNOWN	C/FP	AFMC/WR-ALC	NOV 98	MAY 99	1200	10,000	YES	NO	

D. REMARKS
FY99 unit cost is an average of inputs received from a market survey and an Acquisition Strategy Conference; no procurement history available.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY99 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (47 MONTHS)
PROCUREMENT LEADTIME: 11 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

P-1 ITEM NOMENCLATURE: NEW GENERATION HEATER

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY99 Requirement
Less Net Assets
Required FY99 Procurement
Planned FY99 Procurement

0	
0	
0	
0	508
0	
0	
0	3108
0	1469
0	565
0	
0	5650
0	5650
	5650
	0
	5650
	1200

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE: FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE TRUCK MOUNTED DEICER NSN: 1730-00-555-6205			
FY96	FY97	FY98	FY99	FY00	FY01	FY02
0	0	51	62	8	5	6
\$0	\$0	\$10.729	\$13.764	\$2.243	\$1.433	\$1.756
COST (in Mil)			\$0			

A. DESCRIPTION/FUNCTION: The Truck Mounted Deicer is a self-propelled spray unit designed for spraying external surfaces of aircraft with deicing, defrosting, or decontamination fluids. The mobility of the truck and maneuverability of the aerial platform enables the operating crew to have access to any area on the aircraft which is normally inaccessible from the ground. At ground level, the spray outlet can reach a maximum height of 48 feet.

B. APPLICATION: Multiple aircraft

C. REQUIREMENTS: FY98 - 33 shortages, 18 replacements
FY99 - 59 shortages, 3 replacements

D. MPACT: Failure to procure the Truck Mounted Deicers will severely delay the mission readiness of all unsheltered aircraft on bases located in cold weather climates. Field units do not have enough hangar space to protect mission required aircraft from snow and ice. This requires units to conduct timely aircraft deicing to meet daily operational requirements.

E. TYPE ITEM CODE: A

F. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
FY98:	8/\$1.777	3/\$.666

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT						C. P-1 ITEM NOMENCLATURE TRUCK MOUNTED DEICER NSN: 1730-00-555-6205	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST

FY95	LANDOLL CORP. Marysville, KS	C/FFP	AFMC/SA-ALC	JUL 96	DEC 96	7	222,064
FY98	LANDOLL CORP.	OPTION	AFMC/SA-ALC	OCT 97	MAY 98	51	210,372
FY99	UNKNOWN	C/FFP	AFMC/SA-ALC	OCT 98	MAY 99	62	222,064

D. REMARKS FY95 procurement establishes a requirements contract with a two years ordering period. FY98 will be a call order to the basic contract. FY99 unit cost based on escalation of FY98 price.		P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning
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FY9500 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: TRUCK MOUNTED DEICER 1730-00-555-6205										DATE: FEBRUARY 1997																													
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 97										FISCAL YEAR 98										FISCAL YEAR 99																			
S E R V										QTY PRIOR DUE										QTY PRIOR DUE										QTY PRIOR DUE																			
1-Oct										1-Oct										1-Oct										1-Oct																			
FY94 INITIAL										C-17										6										0										6									
FY95										AF										7										0										7									
FY96 INITIAL										C-130										9										0										9									
FY96 INITIAL										E8A										3										0										3									
FY98										AF										51										0										51									
FY98										AF										62										0										62									
TOTAL										138										0										138																			
MANUFACTURER'S NAME AND LOCATION										PROD RATES										RE-										RE-																			
LANDOLL CORP										MIN										MAX										CH D-																			
1800 NORTH ST										1										9										9																			
MARYSVILLE KS. 66508										INITIAL										REORDER										7																			
ADMIN LEAD TIME										MANUFACTURING TIME										TOTAL AFTER 1										TOTAL AFTER 1																			
PR 1 OCT										AFT 1 OCT										OCT										OCT																			
7										0										7										7																			
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP																			
REMARKS:										REDUCED PRODUCTION LEAD TIME FOR FY95 EMERGENCY QUANTITY.										REDUCED PRODUCTION LEAD TIME FOR FY95 EMERGENCY QUANTITY.										REDUCED PRODUCTION LEAD TIME FOR FY95 EMERGENCY QUANTITY.																			

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FY9899 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: TRUCK MOUNTED DEICER 1730-00-555-6205												DATE: FEBRUARY 1997											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 00				FISCAL YEAR 01				FISCAL YEAR 02				L A T E R											

UNCLASSIFIED
REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: TRUCK MOUNTED DEICER
NSN: 1730-00-555-6205

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT
EQUIPMENT

ASSETS
On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

522	
25	
0	
547	99

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99: 18
FY00: 0
FY01: 0
FY02: 0
TOTAL DISPOSALS (37 MONTHS) 3
PROCUREMENT LEADTIME: 7 MONTHS 21

18	
0	
0	392
0	111
0	37
3	
21	639

NET ASSETS:

APPROVED ACQUISITION OBJECTIVE

526	639
-----	-----

ACTUAL TRAINING EXPENDITURE

FY98	639
FY97	526
FY96	113
FY95	51
FY94	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98	639
FY97	526
FY96	51
FY95	62
FY94	62

REMARKS:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE NOISE SUPPRESSOR, LG TURBO FAN ENGINE NSN: 4920-01-082-1095					
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03		
QUANTITY	0	0	1	0	0	0	0	0		
COST (In Mil)	\$0	\$0	\$3.046	\$0	\$0	\$0	\$0	\$0		

A. DESCRIPTION/FUNCTION: The demountable noise suppresser consists of a structural steel framework lined with acoustical panels, engine thrust fixtures, engine hoist system, air inlet splitter baffles, exhaust silencer, air compressor, and fire suppression system. The suppresser is 218' long, 52' wide and 29' high. It is used to suppress noises generated by jet engines being run within the facility. The overall test chamber system is of integrated design to achieve the necessary operating conditions for satisfactory engine testing, while simultaneously achieving the aerodynamic and thermodynamic requirements of the specific engine under test. There are no engine test suppressers presently in the inventory that will accommodate the thrust capacity of the F101 and F108 engines or any other new generation jet engine exceeding 35,000 lbs thrust.

B. PURPOSE OF PROCUREMENT: FY98 procurement will satisfy one Air National Guard shortage for the B-1B aircraft.

C. APPLICATION: B-1B

D. REQUIREMENTS: FY98 - 1 shortage

E. IMPACT: This requirement generated from the increasing emphasis on environmental control and a finding by the Surgeon General that over 2,000 Air Force personnel were retraining each year due to hearing loss associated with being around jet engine noise. Without adequate noise sound suppression, engine operation is restricted to certain hours which can jeopardize aircraft readiness. Base personnel would be exposed to severe noise with possible hearing damage or loss. In addition, community relations are often strained due to unsuppressed jet engine operation.

F. TYPE ITEM CODE: A

G. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
FY98:	1/\$3.046	0

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE		
(Cost in thousands of dollars)										FEBRUARY 1997		
A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME				C. MANUFACTURER NAME/PLANT/ CITY/STATE						
TITLE/NO.		NOISE SUPPRESSOR, LG TURBO FAN ENGINE				LOCATION						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 4920-01-082-1095				INDUSTRIAL ACOUSTICS CO (IAC), INC						
		MONICKS CORNER, SC										
Weapon System Cost Elements		FY 96			FY 97			FY 98			FY 99	
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

NOISE SUPPRESSOR	A	0	0	0	0	0	0	1	2,094,000	2,094	0	0
ACCEPTANCE TEST			0	0		0	0			2		0
CONTROL ROOM			0	0		0	0			950		0
TOTAL:			0	0		0	0			3,046		0

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE	
(Cost in thousands of dollars)						FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT						FAN ENGINE NOISE SUPPRESSOR, LG TURBO	
NSN: 4920-01-082-1095							
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST
FY94	AF/IAC MONICKS CORNER, SC	OPTION	AFMC/SA-ALC	AUG 94	MAY 96	1	2,544,909
FY94	IAC	OPTION	AFMC/SA-ALC	SEP 96	SEP 97	2	2,206,382
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	MAR 98	MAR 99	1	2,093,813
							YES
							NO
							APR 97

D. REMARKS							
FY98 UNIT COST BASED ON CURRENT CONTRACT PLUS ESCALATION FACTOR.							

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: NOISE SUPPRESSOR, LG TURBO FAN ENG
NSN: 4920-01-082-1095

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL DISPOSALS (36 MONTHS)
PROCUREMENT LEADTIME: 18 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 1997		
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK NSN: 1730-01-147-1735					
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	0	0	33	12	0	0	0	0
COST (In Mil)	\$0	\$0	\$9.871	\$3.670	\$0	\$0	\$0	\$0

- A. DESCRIPTION/FUNCTION: The MJ-40 Lift Truck is operationally similar to the MJ-1B and MHU-83C/E lift trucks, and is the latest weapon loading system designed specifically for the B-1B and B-2 bomber aircraft. The MJ-40 lift truck has a maximum loading capacity of 10,000 pounds. It is a self propelled, hydraulically operated lifting and positioning device used to lift and attach aerial stores to the bomber aircraft.
- B. PURPOSE OF PROCUREMENT: To fill initial shortages in support of the B-1B.
- C. APPLICATION: B-1B, B-2 aircraft .
- D. REQUIREMENTS: FY98: 33 shortages
FY99: 12 shortages
- E. IMPACT: The MJ-40 is the primary lift truck with the capability of lifting stores on the B-1B and B-2 aircraft. Without this lift truck, the long range strategic mission of the Air Force will be severely impaired.

F. TYPE ITEM CODE: A

G. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
FY98:	13/\$3.889	0

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE			
(Cost in thousands of dollars)							FEBRUARY 1997			
B. APPROPRIATION/BUDGET ACTIVITY							C. P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK			
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							NSN: 1740-01-147-1735			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL

FY92	STANDARD MFG DALLAS, TX	SS/FFP	AFMC/SA-ALC	JUL 92	OCT 93	28	131,353			
FY98	STANDARD MFG	SS/FFP	AFMC/SA-ALC	OCT 97	APR 99	33	299,132	YES	NO	
FY99	STANDARD MFG	SS/FFP	AFMC/SA-ALC	OCT 98	OCT 99	12	305,864	YES	NO	

D. REMARKS		P-1 SHOPP LIST ITEM NO. 63		PAGE NO.		Exhibit P-5a Procurement History and Planning	
FY98/99 unit cost is based on contractor's quote plus inflation.							

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FY8989 BUDGET PRODUCTION SCHEDULE										DATE: FEBRUARY 1997											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 97											
										FISCAL YEAR 98											
										FISCAL YEAR 99											
										FISCAL YEAR 96											
										FISCAL YEAR 95											
										FISCAL YEAR 94											
										FISCAL YEAR 93											
										FISCAL YEAR 92											
										FISCAL YEAR 91											
										FISCAL YEAR 90											
										FISCAL YEAR 89											
										FISCAL YEAR 88											
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										FISCAL YEAR 74											
										FISCAL YEAR 73											
										FISCAL YEAR 72											
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UNCLASSIFIED

FY9899 BUDGET PRODUCTION SCHEDULE										DATE: FEBRUARY 1997											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 01											
										FISCAL YEAR 02											
										CALENDAR YEAR 01											
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P-1 SHOPPING LIST
ITEM NO. 63

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: MJ-40 LIFT TRUCK
NSN: 1730-01-147-1735

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT
EQUIPMENT
ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99:
FY00:
FY01:
FY02:

TOTAL DISPOSALS (44 MONTHS)

PROCUREMENT LEADTIME: 18 MONTHS

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST
ITEM NO. 63

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										
P-1 ITEM NOMENCLATURE Self-Generating Nitrogen System (SGNS) NSN: 3655-01-347-9055										
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		
QUANTITY	0	0	2	233	600	356	0	0		
COST (In Mil)	\$0	\$0	\$0.750	\$16.688	\$43.710	\$26.508	\$0	\$0		

A. DESCRIPTION/FUNCTION: The Self-Generating Nitrogen System (SGNS) is lightweight and portable. It can be towed over unimproved surfaces and transported by helicopter and fixed wing aircraft. The SGNSC will produce gaseous nitrogen by use of a plastic fiber membrane that separates pure nitrogen from ambient, compressed air. It will produce 95.5 percent pure nitrogen at 4,000 pounds per square inch gage (PSIG) at a rate of not less than 15 standard cubic feet per minute (SCFM). The nitrogen gas will be used to service tires, struts and accumulators. The SGNSC is a self-contained, enclosed, diesel engine powered, four wheel, towable cart with a weight of less than 4,000 pounds.

B. PURPOSE OF PROCUREMENT: FY98 funding begins a procurement program that will replace three unreliable and obsolete systems: the liquid nitrogen servicing unit (LN-2), the six and eight bottle nitrogen servicing carts and an air compressor. This system will be rapidly deployable and capable of supporting aircraft under remote and bare base conditions. The need to store and transport liquid nitrogen under these conditions will be greatly reduced. Additionally, the SGNSC improves safety and reduces dependency on foreign sources. It will eliminate the need to handle cryogenic liquids, reduce the possibility of personnel injury due to ignition of aircraft tires and significantly reduce maintenance operations.

C. APPLICATION: SGNS will be used to service tires, struts and accumulators on a multitude of aircraft.

D. REQUIREMENTS: FY98 - 2 shortages
FY99 - 233 shortages

E. IMPACT: The current Air Force systems are inefficient, costly to maintain and unreliable. Bare base operations will continue to be difficult and costly without SGNS. If not procured, the Air Force will continue to preposition empty equipment (storage tanks & LN-2 carts) that still require the shipment of liquid nitrogen to the deployed areas of operation.

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG AFR
QTY/DOLLARS QTY/DOLLARS
6/\$.427 10/\$.712
FY99

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) <i>(Cost in thousands of dollars)</i>										D. DATE FEBRUARY 1997			
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME SELF-GENERATING NITROGEN SERVICING CART NSN: 3655-01-347-9055				C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION UNKNOWN							
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		FY 96		FY 97		FY 98		FY 99					
IDENT CODE		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST			
SGNS		A						2	375,000	.750	233	71,238	16,598
TECHNICAL DATA													.090
TOTAL										.750			16,688

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE				
(Cost in thousands of dollars)						FEBRUARY 1997				
B. APPROPRIATION/BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE SELF-GENERATING NITROGEN							
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			SERVICING CART NSN: 3655-01-347-9055							
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	OCT 97	JUL 98	2	375,000	YES	NO	
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 98	DEC 99	233	71,238	YES	NO	

D. REMARKS		
FY98 COST IS FOR 2 FIRST ARTICLES.		
FY99 COST BASED ON AN ESCALATION OF A 1992 WR-ALC CONTRACT FOR 14 EACH STATIONARY UNITS (\$62K).		
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

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FY0899 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: SELF-GEN NITROGEN SYST NSN: 3655-01-347-9055												DATE: FEBRUARY 1997													
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 97				FISCAL YEAR 98				FISCAL YEAR 99																	
										CALENDAR YEAR 97				CALENDAR YEAR 98				CALENDAR YEAR 99																	
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
										96	96	96																							
										QTY	PRIOR	DUE	1-Oct	1-Oct																					
										S	E	R	V	AF	2	0	2																		
FY08										F-16	254	0	254										C										254		
FY08 INITIAL										C-17	23	0	23										C										23		
FY08 INITIAL										AF	233	0	233										C										233		
FY99										FMS	10	0	10										C										10		
FY99										Amy	50	0	50										C										50		
TOTAL											572	0	572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	570
MANUFACTURER'S NAME AND LOCATION										REMARKS:																									
										PROCUREMENT LEAD TIME																									
										ADMIN LEAD TIME				MANUFACTURING TIME				TOTAL AFTER 1																	
										PR 1 OCT				AFT 1 OCT				OCT																	
										INITIAL				0				14																	
										REORDER																									

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UNCLASSIFIED REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN SYSTEM NSN: 3655-01-347-9055

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT
EQUIPMENT
ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:
FY99:
FY00:
FY01:
FY02:
TOTAL DISPOSALS (_51 MONTHS)
PROCUREMENT LEADTIME: 16 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

INVENTORY OBJECTIVE

Number of Combat Loads	420
Assets Required for Combat Loads	0
Combat Expenditures	0
War Reserve Requirement	420
Annual Training	
Annual Testing	
Maintenance Pipeline	0
Air Force Requirement	0
Air National Guard Requirement	0
Air Force Reserve Requirement	0
TOTAL REQUIREMENT	0

APPROVED ACQUISITION OBJECTIVE

	420
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PROCUREMENT REQUIREMENT

Total FY98 Requirement	1879
Less Net Assets	420
Required FY98 Procurement	1459
Planned FY98 Procurement	2

Total FY99 Requirement	1879
Less Net Assets	420
Less FY98 Planned Procurement	2
Required FY99 Procurement	1457
Planned FY99 Procurement	233

REMARKS:

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ITEM NO. 63

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE UNIVERSAL MAINTENANCE STAND (UMS) DIESEL NSN: 1730-01-370-4268					
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	1	0	53	9	0	0	0	0
COST (In Mil)	\$0.133	\$0.00	\$7.144	\$1.283	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Universal Maintenance Stand (UMS) is a split deck, scissors-type platform consisting of four hydraulic operated, caster tipped stabilizers mounted at each corner of the chassis. Elevated platform height is 36 1/2 feet at the extended position with a workload capacity of 2,000 lbs. Platform dimensions are 96" wide x 180" long. It contains hydraulic power for lifting. Driving and steering are provided by a variable displacement drive pump and a fixed displacement lift and steering pump driven by a 20 horsepower diesel engine. The UMS is mounted on a four wheel chassis with four outrigger stabilizers. This "state-of-the-art" platform used for organizational maintenance is one of two maintenance platforms in the Air Force inventory that can be used to perform aircraft maintenance for large aircraft on the tail section and rudder.

B. PURPOSE OF PROCUREMENT: The FY98/99 procurement program will satisfy shortages in the field.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 53 shortages
FY99 - 9 shortages

E. IMPACT: The UMS is used to perform critical maintenance and inspection. Failure to procure shortages will directly cause an increase in time and man-hours needed to perform required maintenance and inspections, will increase aircraft downtime, and affect mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
	2/\$.270	1/\$.135

FY98

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997	
(Cost in thousands of dollars)											
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE UMS, DIESEL							
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 1730-01-370-4268							
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY96	SKYTOP BREWSTER CO, VICTORIA, TX	C/FFP	AFMC/SA-ALC	JUL 96	JUL 97	1	133,374				
FY98	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 97	APR 99	53	134,795	YES	NO		
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 98	FEB 00	9	142,515	YES	NO		

D. REMARKS

Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: UMS, DIESEL NSN: 1730-01-370-4268

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT

EQUIPMENT

ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99:
FY00:
FY01:
FY02:

TOTAL DISPOSALS (_51 MONTHS)

PROCUREMENT LEADTIME: 16 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

87
36
3
126

0
0
0
0
0
0

TOTAL REQUIREMENT

188

APPROVED ACQUISITION OBJECTIVE

188

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

188
126
62
53

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

188
126
53
9
9

REMARKS:

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ITEM NO. 63

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED NSN: 4920-NC-D01-5256DQ						
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (in Mil)	\$0	\$0	\$15.270	\$6.200	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Ruggedized Transportable Radio Frequency Benchtop Reconfigurable Automatic Tester (R.F. BRAT) is a flexible test system, used to test aircraft Line Replaceable Units (LRUs). It is based on an open architecture of commercial equipment in a modular design. The tester can also be used as general purpose test equipment through its built-in virtual panels. The interface provides universal analog, dynamic digital and static digital test points; three phase facility power routing, and dedicated R.F. paths, which reduce the number and complexity of interface test adapters (ITA). The R.F. BRAT features instrument-on-a-card and modular technologies to provide complex testing capabilities. Programming is done through a graphical spreadsheet environment, providing low learning curves and high throughput. The standard operating environment is Windows.

B. PURPOSE OF PROCUREMENT: FY98 funds field shortages, FY99 procures Test Program Sets (TPSS).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 7 shortages

E. IMPACT: Failure to procure this equipment will greatly impair the E-3B/C mission and ground aircraft due to lack of ability to test critical avionics components. This tester is the latest state-of-the-art and will eliminate obsolete equipment and replace various outdated test equipment presently being used for state-of-the-art aircraft equipment. These testers will meet present and expected future deployment requirements. Test Program Sets (TPSS) which consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's line replaceable units (LRUs). The R.F. BRAT ruggedized station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE			
(Cost in thousands of dollars)										FEBRUARY 1997			
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION			D. DATE					
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		R.F. BRAT RUGGEDIZED NSN: 4920-NC-D01-5256DQ			UNKNOWN			UNKNOWN					
Weapon System Cost Elements		FY 96			FY 97			FY 98			FY 99		
IDENT CODE		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

R.F. BRAT RUGGEDIZED	A												
TPS	A												
ICS	A												
DATA	A												
INDEPENDENT VALIDATION	A												
OTHER COSTS	A												
*OTHER COSTS: Environmental, testing, program management													
TOTAL													

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997	
(Cost in thousands of dollars)											
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED							
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 4920-NC-D01-5256DQ							
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	7	1,217,172	YES	YES		
FY99	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	18	250,000	YES	YES		

D. REMARKS			P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5a Procurement History and Planning	
FY98 unit cost are based on contractors FY96 estimated unit cost inflated; FY99 procurement is TPs only.							

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: R.F. BRAT RUGGEDIZED
NSN: 4920-NC-D01-5256DQ

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (36 months)
PROCUREMENT LEADTIME: 14 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

P-1 SHOPPING LIST
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Exhibit P-20 Requirements Study 209

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							FEBRUARY 1997
P-1 ITEM NOMENCLATURE TEST STATION, RADAR NSN: 4920-01-413-9279DQ							
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02
QUANTITY	0	0	5	0	0	0	0
COST (In Mil)	\$0	\$0	\$12.103	\$6.400	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Radar Test Station is a modular design, flexible test system used for troubleshooting and minor repair of complex aircraft avionics line replaceable units. It can be used as general purpose test equipment (GPTE) through it's built-in virtual panels. The interface provides complex testing capabilities. Programming is done through a graphical spreadsheet environment, providing low learning curves and high throughput. The standard operating environment is Windows hosted on an Intel PC computer.

B. PURPOSE OF PROCUREMENT: FY98 procurement will replace obsolete equipment, FY99 will procure Test Program Sets (TPS).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 5 replacements

E. IMPACT: This tester is critical for troubleshooting aircraft avionics and preventing the grounding of aircraft due to avionics failures/anomalies. This state-of-the-art tester will eliminate the current obsolete, noneconomical and logistically insupportable equipment presently being used on state-of-the-art aircraft. Current systems are no longer supportable due to obsolescence and lack of commercial sources. The testers will meet present and expected future deployment requirements. Test Program Sets (TPSs) which consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's LRUs. The test station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR:

H. N/A

P-1 SHOPP LIST ITEM NO.	PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1997				
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT (Cost in thousands of dollars)						C. P-1 ITEM NOMENCLATURE TEST STATION, RADAR NSN: 4920-01-413-9279DQ				
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL

FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	5	1,080,539	YES	NO	
FY98 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	20	250	YES	NO	
FY99 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	20	250	YES	NO	

D. REMARKS FY98 unit cost is based on contractor's FY96 estimate with applicable indices.		
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: TEST STATION, RADAR
NSN: 4920-01-413-9279DQ

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:

FY98:

FY99:

FY00:

FY01:

TOTAL DISPOSALS: (35 months)

PROCUREMENT LEADTIME: 14 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

1697

FY96

FY95

FY94

FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97

96Y

Y95

794

461
=y93

REMARKS:

P-1 SHOPPING LIST
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Exhibit P-20 Requirements Study

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE MHU-110 MUNITIONS TRAILER NSN: 174-00-403-8235					
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	1	0	85	0	0	0	0
COST (In Mil)	\$0	\$0.042	\$0	\$3.676	\$0	\$0	\$0	\$0

- A. DESCRIPTION/FUNCTION: The MHU-110 Munitions Trailer is a ten-wheeled flatbed carrier capable of transporting any munitions within the load, dimensional and stability limitations stated within the Technical Order (T.O.). Each trailer requires specific accessories for general purpose functional requirements such as a cable harness, four main rails, four main rail extenders, 20 chock assemblies (including trolleys) and 40 chocks with tie down straps. The MHU-110 Munitions Trailer has a load capacity of 15,000 pounds and the overall dimensions are height 30 inches, width 87 inches and deck length 180 inches.
- B. PURPOSE OF PROCUREMENT: FY99 procurement program will satisfy 85 initial shortages.
- C. APPLICATION: Multiple aircraft.
- D. REQUIREMENTS: FY99 - 85 shortages
- E. IMPACT: In an Area of Responsibility (AOR), lack of the MHU-110 Munitions Trailer could result in delays in loading the 10,000 pound plus bombs. Failure to support this acquisition will severely impair the strategic forces war fighting capability and may result in decreasing the number of sorties flown by the B-1B and B-2 bomber aircraft.

F. TYPE ITEM CODE: A

G. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
	1/\$.043	0/\$0

FY99

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1997	
(Cost in thousands of dollars)							
B. APPROPRIATION/BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE			MHU-110 MUNITIONS TRAILER	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			NSN: 1740-00-403-8235				
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST
							SPECS AVAIL NOW
							SPEC REV REQ'D
							IF YES, WHEN AVAIL

FY95	SUPERIOR WELDING BARTLESVILLE, OK	C/FFP	AFMC/SA-ALC	JUN 95	MAR 96	6	39,600	
FY97	UNKNOWN	C/FFP	AFMC/SA-ALC	MAY 97	MAY 98	1	42,114	YES
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 98	JUL 99	85	43,243	YES
								NO
								NO

D. REMARKS Unit cost based on FY95 contract initiated.		P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5a Procurement History and Planning
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FY99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: MHU-110 MUNITIONS TRAILER, 170-00-403-8235												DATE: FEBRUARY 1997																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 00												FISCAL YEAR 01												FISCAL YEAR 02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: MHU-110 MUNITIONS TRAILER
NSN: 1730-00-403-8235

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT
EQUIPMENT

ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:
FY99:
FY00:
FY01:
FY02:
TOTAL DISPOSALS (51 MONTHS)
PROCUREMENT LEADTIME: 9 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

INVENTORY OBJECTIVE

2303
20
1
2324

0
0
20
20
0
40

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement
TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

2284

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST
ITEM NO. 63

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND NSN: 1730-00-158-3039			
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02
QUANTITY	0	0	1	5	0	0	0
COST (In Mil)	\$0	\$0	\$1.327	\$4.223	\$0	\$0	\$0

- A. DESCRIPTION/FUNCTION: The C-5A Empennage Stand is a self-propelled unit that contains six working levels including a horizontal platform at the upper level. The empennage stand is 71' 9" tall and 76' 8" wide. The stand is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all empennage accessories and flight controls on the C-5A aircraft.
- B. PURPOSE OF PROCUREMENT: FY 98/99 procurement program will satisfy shortages and provide replacements for field units.
- C. APPLICATION: C-5A aircraft
- D. REQUIREMENTS: FY98 - 1 shortage
FY99 - 1 shortage, 4 replacements
- E. IMPACT: The empennage stands are essential to the maintenance reliability of the C-5 aircraft fleet. Without this stand, performance of many maintenance functions that are critical to C-5 inspections, repair and time compliance technical orders will be severely restricted and impact mission readiness.
- F. TYPE ITEM CODE: A
- G. ANG/AFR: N/A

	P-1 SHOPP LIST ITEM NO. 63	PAGE NO.
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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE FEBRUARY 1997		
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME C-5A EMPENNAGE STAND NSN: 1730-00-158-3039				C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION UNKNOWN						
Weapon System Cost Elements		FY 96		FY 97		FY 98		FY 99				
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	TOTAL COST	
C-5A EMPENNAGE STAND	A						1	826,996	.827	5	844,690	4,223
TECHNICAL DATA	A								.500			
TOTAL									1,327			4,223

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										C. P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND NSN: 1730-00-158-3039	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY87	ATCKISON	SS/FFP	AFMC/SA-ALC	JAN 88	JUL 89	3	652,720				
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	OCT 97	JUL 99	1	826,996	YES	NO		
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 99	MAR 01	5	844,690	YES	NO		

D. REMARKS UNIT COST IS BASED ON FY87 CONTRACT INFLATED.										Exhibit P-5a Procurement History and Planning	
										P-1 SHOPP LIST ITEM NO. 63	
										PAGE NO.	

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FY8999 BUDGET PRODUCTION SCHEDULE		P-1 ITEM NOMENCLATURE: C-5A EMPENNAGE STAND, 1730-00-159-3039		DATE: FEBRUARY 1997					
ITEM/MFG PROCUREMENT YEAR		FISCAL YEAR 00		FISCAL YEAR 01		FISCAL YEAR 02		L A T E R	
S E R V		PROC/ACPT BAL		CALENDAR YEAR 00		CALENDAR YEAR 01		CALENDAR YEAR 02	
QTY		PRIOR DUE		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	
AF		5 0 5		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	
TOTAL		5 0 5		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP		FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	
MANUFACTURER'S NAME AND LOCATION		PROD RATES		PROCUREMENT LEAD TIME		REMARKS:			
UNKNOWN		MIN MAX		ADMIN LEAD TIME		TOTAL AFTER 1 OCT			
		CH D-		PR 1 OCT AFT 1 OCT		INITIAL			
		REORDER		7 19 26					

UNCLASSIFIED
REQUIREMENTS STUDY

DATE: FEBRUARY 1997
P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND
NSN: 1730-00-158-3039

APPROPRIATION / BUDGET ACTIVITY:
AIRCRAFT PROCUREMENT, COMMON SUPPORT
EQUIPMENT

ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:
FY99:
FY00:
FY01:
FY02:
TOTAL DISPOSALS (61 MONTHS)
PROCUREMENT LEADTIME: 21 MONTHS

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98
FY97
FY96
FY95
FY94

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

7
0
0
7

0
0
0
0
4
4

TOTAL REQUIREMENT

9

APPROVED ACQUISITION OBJECTIVE

9

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

9
3
6
1

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

9
3
1
5
5

REMARKS:

P-1 SHOPP LIST
ITEM NO. 63

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE FEBRUARY 1997		
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE AUTOMATIC TESTER NSN: 4920-01-282-4191DQ					
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	12	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$3,790	\$0	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: This tester is a state-of-the-art, portable automatic test system used for testing and repair of C-5 avionics components. The tester employs industry standard instruments for both measurement and stimulus functions. Included are a digital multi-meter, counter-timer, synchro-resolver, two function generators, digital data stimulus and response instruments, and a digitizing oscilloscope thus providing full analog and digital testing capability. The system, housed in a desk style test bench, also includes programmable AC and DC powered supplies. The 486/33 computer system provides program control and communicates to all system assets via an interface bus. Test program sets are written in user-friendly language.

B. PURPOSE OF PROCUREMENT: FY98 procurement will fill field shortages.

C. APPLICATION: C-5

D. REQUIREMENTS: FY98 - 12 shortages

E. IMPACT: Lack of this item at field activities will increase aircraft downtime due to maintenance technicians possessing no viable avionics testing capability. Without this tester, maintenance will not be able to meet inspection criterion and schedules, perform timely repair actions or conduct emergency repairs impacting mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:	ANG	AFR
	QTY/DOLLARS	QTY/DOLLARS
	2/\$.632	2/\$.632

FY98

P-1 SHOPP LIST ITEM NO. 63		PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE AUTOMATIC TESTER						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 4920-01-282-4191DQ						
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL

FY93	ADVANCE TESTING TECHNOLOGIES, INC (ATTI), HAUPPAGUE, NY ATTI	SS/FFP	AFMC/SA-ALC	DEC 93	NOV 94	4	290,000			
FY98		SS/FFP	AFMC/SA-ALC	OCT 97	SEP 98	12	315,810	YES	NO	

D. REMARKS			Exhibit P-5a Procurement History and Planning	
UNIT COST IS BASED ON FY93 CONTRACT INFLATED.				
P-1 SHOPP LIST ITEM NO. 63		PAGE NO.		

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 96
Due-In w/all Prior Years' Funds
Due-In w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (35 months)
PROCUREMENT LEADTIME: 12 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

REMARKS:

P-1 ITEM NOMENCLATURE: BENCHTOP RECONFIGURABLE AUTOMATIC TESTER
NSN: 4920-01-282-4191DQ

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement
TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

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ITEM NO. 63

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Exhibit P-20 Requirements Study 229

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE FEBRUARY 1997						
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097						
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$4.453	\$0	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Maintenance Platform is a complete self-contained, hydraulically operated unit mounted on a truck type carrier. The aerial lift's main components consist of: a turret, inner and outer columns, inner and outer boom and a platform. The inner and outer boom and platform are assembled to form an integrated mechanical structure providing for vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 ft and has a maximum horizontal reach of 60 ft. when the boom is extended to 72 ft. Capacity of the platform is 1,500 lbs. Platform is used to perform maintenance on and remove/install the stabilizer on C-17 and C-5 aircraft. It can also be used as a deicer on large aircraft.

B. PURPOSE OF PROCUREMENT: FY98 procurement program will satisfy 6 field shortages and 1 replacement.

C. APPLICATION: C-17 and C-5 aircraft.

D. REQUIREMENTS: FY98 - 6 shortages and 1 replacement

E. IMPACT: Failure to procure the High Reach Maintenance Platform will suspend critical maintenance and inspection procedures, particularly those required for the tail section of the C-17 and C-5 aircraft. Currently field units are forced to borrow high reach platforms from other locations or from the local economy which impacts mission readiness by increasing aircraft downtime for maintenance.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

P-1 SHOPP LIST ITEM NO. 63	PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)
(Cost in thousands of dollars)

B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT						C. P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM NSN: 1730-01-249-0097				A. DATE FEBRUARY 1997	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY96	DLA/CALAVAR SANTA FE SPRINGS, CA	5yr reqmt contract, MIPR	AFMC/ISA-ALC	MAY 96	SEP 96	17	570,000				
FY98	DLA/CALAVAR	OPTION/MIPR	AFMC/ISA-ALC	OCT 97	OCT 98	7	636,120	YES	NO		

D. REMARKS

Unit price is based on quote from DLA. Basic competitive contract awarded May 96, expires May 2001. (FY96 contract contained Initial C-17 requirements.)

Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: MAINT PLATFORM, HIGH REACH

NSN: 1730-01-249-0097

ASSETS

On Hand as of 31 Mar 96

Due-In w/all Prior Years' Funds

Due-In w/FY97 Funds

TOTAL ASSETS:

31
17
5
53

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:

FY98:

FY99:

FY00:

FY01:

TOTAL DISPOSALS (34 months)

PROCUREMENT LEADTIME: 12 months

0
0
1
0
0
1

NET ASSETS:

52

ACTUAL TRAINING EXPENDITURE - NA

FY97

FY96

FY95

FY94

FY93

52

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97

FY96

FY95

FY94

FY93

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads

Assets Required for Combat Loads

Combat Expenditures

War Reserve Requirement

Annual Training

Annual Testing

Maintenance Pipeline

Air Force Requirement

Air National Guard Requirement

Air Force Reserve Requirement

TOTAL REQUIREMENT

1

52
2
4

59

APPROVED ACQUISITION OBJECTIVE

59

PROCUREMENT REQUIREMENT

Total FY98 Requirement

Less Net Assets

Required FY98 Procurement

Planned FY98 Procurement

59
52
7
7

P-1 SHOPPING LIST

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Exhibit P-20 Requirements Study 233

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE FEBRUARY 1997			
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE Items Less Than \$2,000,000			
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$48.986	\$72.693	\$30.289	\$48.505	\$39.500	\$40.700	\$41.900	\$43.200

A. DESCRIPTION/FUNCTION: Items less than \$2,000,000 procure replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.

B. TYPE ITEM: All items are Code A.

A listing of items less than \$2,000,000 follows.

		P-1 SHOPP LIST ITEM NO. 63	PAGE NO.
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**FY98/99 BUDGET ESTIMATE SUBMISSION
BP 12 COMMON SUPPORT EQUIPMENT (CSE)
ITEMS LESS THAN \$2M (DOLLARS IN MILLIONS)**

NOUN	NSN	FY98		FY99	
		QTY	AMOUNT	QTY	AMOUNT
Laser Target Designator	1260-01-041-1567	11	1.916		
Floor Crane, 6,000 lb	3950-01-2086	26	1.125	26	1.150
Tool Kit, Swagging	5180-01-374-8266	37	1.968	6	.326
Accessory Kit, Electrical-Electronic	6625-01-431-7920FJ	36	.969		
Comprehensive Engine Diagnostic System	7010-01-333-0711DQ	15	.377		
Portable Balancing System (KC-135)	6635-01-357-6647DQ	21	.860		
Portable Balancing System (A-10)	6635-01-431-5283DQ	36	1.798		
Processor-Interface	6625-01-365-8820DQ	60	.750		
Power Supply/Frequency Converter	6130-01-237-1621VV	75	1.981	75	1.981
Test Stand, Engine Turbo Prop	4920-01-325-2244			2	1.095
Corrosion Cart	1730-01-073-8228	37	1.697		
Trailer, Propeller	1740-00-247-1244			122	1.066
Trailer, Ground Handling	1740-01-066-5068			11	.604
Hydraulic Test Stand, (HFS) 3D, Type 1	4920-01-380-7460	2	.784	22	1.510
Hydraulic Test Stand, (HFS) 3E, Type 11	4920-01-380-4744	2	.679	29	1.913
Hydraulic Test Stand, (HFS) 2D, Type 111	4920-NC-D01-5317	2	.787	14	.904
Hydraulic Test Stand, (HFS) 2E, Type IV	4920-NC-D01-5318	2	.679	20	1.228
Tool Kit, Electrical	5180-01-060-6907			61	.368
Tube Repair Kit	5180-01-378-8873	6	.147	20	.500
Advanced Diagnostics System	NSL	2	.750	4	1.533
Transponder Test Set	6625-01-076-3416	33	1.456	25	1.315
MJ-1B Lift Truck	1730-01-123-7269	55	1.925	55	1.967
MHU-83C/E Lift Truck	1730-01-123-7270			33	1.978
Adapter Kit, Engine Test Cell	4920-01-257-1258	1	0.8	2	1.636
Bond Tester, Metal Flow Detector	6635-01-161-4551	60	1.071	58	1.036
200 Gallon Fuel Bowser	2330-01-301-0763YR			70	0.432
Fiberscope	6650-01-379-6645			72	0.497
Five Ton LOX Plant	3665-00-078-9902	1	0.872	2	1.578
B-1 ANG Misc SE Items			1.358		
Flight Control Test Set	4920-01-034-7670DP			9	1.320
Stability Augmentor Test Set	4920-00-731-7151DP			20	1.000
Cradle, Ground Handling	1730-01-166-1127			32	0.688
400 Gallon Fuel Bowser	2330-01-245-9458YR			55	0.495
Power Supply Test Set	4920-01-381-6808			19	0.312
600 Gallon Fuel Bowser	2330-01-300-4482YR			35	0.433
Radar Absorbing Material Point Inspect Tool	NSL			3	1.535
Air Data System Cart	NSL			4	1.632
Avionics Integrated Support Facilities			1.000		1.000
Spectrometer, Deployable, Oil Analysis	6650-01-320-4283	35	1.567	42	1.922
FSG 1730 Aircraft Ground Service Equipment			0.504		1.895
FSG 4920 Aircraft Maintenance Shop SE			1.083		2.826
FSG 6625 Electronic Test Equipment			0.775		1.254
Liquid Storage Tank	3665-01-353-6700			7	0.451
Trailer, Lift Ground	1730-01-044-6113			3	0.397
Maintenance Kit	4920-01-256-4290			2	0.419
Temperature Control	4920-01-292-2173			15	0.316
Test Set Indicator	4920-01-327-1312			8	0.461
Test Set Aux	4920-01-390-4412			20	0.503
Test Set Aircraft	4920-01-411-8917			17	0.347
Fiberscope	6650-01-324-3329			46	0.452
Microscope Electronic	6650-01-381-6516		0.611	1	0.325
Other					1.947
TOTAL			30.289		48.505

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**FY 98/99 PRESIDENT'S BUDGET
BP12 COMMON SUPPORT EQUIPMENT
FEBRUARY 1997
EXHIBIT P1-R (Dollars in Millions)**

	FY96	FY97	FY98	FY99
AIR NATIONAL GUARD (ANG)	\$25.175	\$30.755	\$24.445	\$11.121
AIR FORCE RESERVE (AFR)	\$3.422	\$4.500	\$4.402	\$3.482
TOTAL:	\$28.597	\$35.255	\$28.847	\$14.603

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	A-10	

	Prior	FY 1996	FY 1997	FY 1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)				2.8	11.8	9.1				23.7

MISSION AND DESCRIPTION:

This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance.

FY98 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 UTD with Visual Systems package.

FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 6 UTD with Visual Systems packages.

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EXHIBIT P-40

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)		A. Appn/Budget Activity Title/No. Aircraft Proc/BA07 Spt Equip & Fac		B. Popular Name A-10		C. Manufacturer Symvionics Pasadena, CA		D. Date Feb-97	
	FY96 Unit Cost	QTY 0 Total Cost	FY97 Unit Cost	QTY 0 Total Cost	FY98 Unit Cost	QTY 0 Total Cost	FY99 Unit Cost	QTY 0 Total Cost	
AIRFRAME/CFE									
ENGINE/ACCESSORIES									
AVIONICS: CFE/GFE									
ARMAMENT									
OTHER GFE									
ECO									
NON-RECURRING COSTS									
OTHER COSTS									
PROGRAM MGT ADMIN REQMTS									
Subtotal FLYAWAY COSTS				0.0		0.0		0.0	0.0
AIRFRAME PGSE									
ENGINE PGSE									
AVIONICS PGSE									
PECULIAR TRAINING EQUIPMENT									
PUBLICATIONS/TECH. DATA									
OTHER (ICS)									
OTHER (HAZMAT)									
OTHER (SUPPORT CONTRACTS)									
OTHER (PLANT SHUTDOWN)									
Subtotal SUPPORT COST		0.0		0.0		2.8		11.8	11.8
GROSS P-1 COST		0.0		0.0		2.8		11.8	11.8
20 LESS: Prior Yr Adv. Proc				0.0		0.0		0.0	0.0
21 NET P-1 COST		0.0		0.0		2.8		11.8	11.8

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)		Date: Feb-97							
APPROPRIATION/P-1 Line Item:	Weapon System:	Equipment Nomenclature:	PE						
3010	A-10	Unit Training Device (UTD)	27131F						
Fin Plan	FY96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	Total
Quantity			1	6	5				12
Proc			2.8	11.8	9.1				23.7
RDT&E									
O&S									

TRAINING SYSTEM DESCRIPTION:
 This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance.

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	B-2A BOMBER	

	FY 96/Prior	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	0	0	0	235.5	123.5	31.0	17.7	8.0

MISSION AND DESCRIPTION:

The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management and acquisition strategy provides the user a capability for the lowest possible cost.

FY 98/99 PROGRAM JUSTIFICATION:

The FY 1999 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and non-recurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Procurement Post Prod Support/BA 7		B. Popular Name B-2 Advanced Tech Bomber		C. Manufacturer Northrop/Grumman Pico/Rivera, CA		D. Date	Feb-97
	FY96	QTY 0	FY97	QTY 0	FY98	QTY 0	FY99	
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	QTY 0
AIRFRAME/CFE								Total Cost
AV 1 UPGRADE		0.0		0.0		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0
OTHER GFE		0.0		0.0		0.0		0.0
ECO (All Flyaway Components)		0.0		0.0		0.0		3.3
NON-RECURRING COSTS		0.0		0.0		0.0		21.0
OTHER COSTS		0.0		0.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		1.0
ENGINE PGSE		0.0		0.0		0.0		0.0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0		0.0		3.7
PUBLICATIONS/TECH. DATA		0.0		0.0		0.0		5.2
OTHER (ICS)		0.0		0.0		0.0		45.6
SW INVESTMENT		0.0		0.0		0.0		127.4
Program Management Admin Reqmt (PMAR)		0.0		0.0		0.0		11.2
OTHER		0.0		0.0		0.0		17.1
Subtotal SUPPORT COST		0.0		0.0		0.0		211.2
GROSS P-1 COST		0.0		0.0		0.0		235.5
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		0.0		235.5

EXHIBIT P-5

EXHIBIT P-5

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	C-5	

	Prior	FY 1996	FY 1997	FY 1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)					29.6					29.6

MISSION AND DESCRIPTION:

These funds buy one C-5 simulator for the Air National Guard. It is part of the AMC replacement program that will reduce aircraft training flights by replacing existing subsystems on the training devices to allow FAA Level C equivalent training. The C-5 will replace the current visual system with a current state-of-the-art, commercial off the shelf system.

FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 C-5 simulator for the Air National Guard.

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	F-15E TACTICAL FIGHTER	

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY		0	0	0	0	0	0	0	0	
COST (IN millions)		7.0	7.5	8.1	8.1	8.2	8.2	8.4	8.4	63.9

MISSION AND DESCRIPTION:

The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat ready.

FY98/99 PROGRAM JUSTIFICATION:

This activity funds required for Interim Contractor Support (ICS). ICS is required to provide repair support for critical air vehicle and ground support equipment assets from the time the equipment is fielded until the assets are organically supportable. Grounding of aircraft will result without this repair support. The funds requested in FY98/99 are to support F-15 aircraft already in the inventory.

NOTE: Prior to FY96 this effort was funded out of the F-15 Weapon System line (BA01 / BP10).

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EXHIBIT P-40

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc/BA07 Spt Equip & Fac		B. Popular Name F-15E Eagle		C. Manufacturer McDonnell Douglas		D. Date Feb-97	
	FY96	QTY 0	FY97	QTY 0	FY98	QTY 0	FY99	QTY 0
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
AIRFRAME/CFE				0.7		0.5		
ENGINE/ACCESSORIES								
AVIONICS: CFE/GFE								
ARMAMENT								
ECO								
NON-RECURRING COSTS								
OTHER COSTS								
PROGRAM MGT ADMIN REQMTS								
Subtotal FLYAWAY COSTS				0.7		0.5		0.0
AIRFRAME PGSE								
ENGINE PGSE								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT		7.0		4.0		0.0		3.0
PUBLICATIONS/TECH. DATA				0.0		3.5		3.3
OTHER (ICS)				2.8		0.0		1.8
OTHER (HAZMAT)						1.1		
OTHER (SUPPORT CONTRACTS)								
OTHER (PLANT SHUTDOWN)								
Subtotal SUPPORT COST		7.0		6.8		7.6		8.1
GROSS P-1 COST		7.0		7.5		8.1		8.1
20 LESS: Prior Yr Adv. Proc				0.0		0.0		0.0
21 NET P-1 COST		7.0		7.5		8.1		8.1

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	F-16 TACTICAL FIGHTER	

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY		0	0	0	0	0	0	0	0	
COST (IN millions)		122.3	66.6	22.4	28.3	16.4	13.7	13.2	13.3	296.2

MISSION AND DESCRIPTION:

The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordnance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces.

FY98/99 PROGRAM JUSTIFICATION:

This activity funds the continuation of prime contract support requirements, program management administrative requirements, and the procurement of deferred peculiar support equipment, unit training devices, and technical data support. The funds requested in FY98/99 are to support F-16 aircraft procured in FY94 and prior. Post production support requirements for aircraft procured in FY96-97 will be addressed during the next budget cycle.

NOTE: Prior to FY96 this effort was funded out of the F-16 Weapon System line (BA01 / BP10).

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AIRCRAFT COST ANALYSIS EXHIBIT P-5 (Dollars in Millions)	A. Appn/Budget Activity Title/No. Aircraft Proc AF/BA07 Post Prod		B. Popular Name F-16 Fighting Falcon		C. Manufacturer Lockheed, Ft Worth Co Ft Worth, TX		D. Date Feb-97	
	FY96	QTY 0 Total Cost	FY97	QTY 0 Total Cost	FY98	QTY 0 Total Cost	FY99	QTY 0 Total Cost
AIRFRAME/CFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eng Model:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVIONICS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARMAMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ECO (All Flyaway Components)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-RECURRING COSTS	0.0	18.9	0.0	2.9	0.0	0.0	0.0	0.0
OTHER COSTS	0.0	32.9	0.0	34.5	0.0	0.0	0.0	0.0
PROGRAM MGT ADMIN REQMTS	0.0	10.1	0.0	7.4	0.0	0.0	0.0	0.0
Subtotal FLYAWAY COSTS	0.0	61.9	0.0	44.8	0.0	0.0	0.0	0.0
AIRFRAME PGSE		19.7		6.7				6.2
ENGINE PGSE		4.9						
AVIONICS PGSE		5.8		3.3		3.4		4.2
PECULIAR TRAINING EQUIPMENT		4.9		5.0		4.3		5.9
PUBLICATIONS/TECH. DATA		4.4		6.8		5.3		5.3
ECO (ALL SUPPORT ITEMS)								
OTHER (ICS)		20.7		0.0		9.4		6.7
Program Management Administration (PMA)		0.0		0.0		0.0		0.0
Subtotal SUPPORT COST		60.4		21.8		22.4		28.3
GROSS P-1 COST		122.3		66.6		22.4		28.3
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		122.3		66.6		22.4		28.3

EXHIBIT P-5

UNCLASSIFIED

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)										Date:	1-Feb-97
APPROPRIATION/P-1 Line Item:		Weapon System:		Equipment Nomenclature:						PE	
3010		F-16		Unit Training Device (UTD)						27133F	
Fin Plan		FY95/Prior	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TC	Total	
Quantity		56								56	
Proc		40.9	4.9	5.0	4.3	5.9	0.9	1.0	2.1	65.0	
RDT&E		0.0	0.5	3.4	6.6	4.2	2.3	2.5	0.0	19.5	
O&S											
TRAINING SYSTEM DESCRIPTION:											
<p>The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level.</p> <p>NOTE: FY95/Prior Year are funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07.</p>											

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)

Training Device by Type:

MAINTENANCE TRAINERS

Date:

Feb 97

Weapon System: F-16 UTD

Description/Justification:

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level. This contract expires 30 Sep 98.

NOTE: FY95 and prior were funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07.

FINANCIAL PLAN	Prior Years			FY 97		FY 98		FY 99		Cost to Complete			Total Costs	
	QTY	COST		QTY	COST	QTY	COST	QTY	COST	QTY	COST		QTY	COST
HARDWARE COSTS														
Device (Hardware)	56	40.86											56	40.86
ECO's														
Nonrecurring														
GFE														
P3I														
Total Hardware Costs	56	40.86			0		0		0		0		56	40.86
SUPPORT COSTS														
Special SE														
Integrated Logistics Support														
Other		4.87			4.97		4.34		5.88		3.90			23.96
Total Support Costs		4.87			4.97		4.34		5.88		3.90			23.96
Total Costs		45.73			4.97		4.34		5.88		3.90			64.82

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BUDGET ITEM JUSTIFICATION SHEET		Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS	

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN millions)	38.392	33.113	25.855	27.833	30.577	32.635	33.307	33.442

Mission and Description:

1. Air Force industrial activities combine the resources of several appropriations to create a comprehensive program. The goal is to ensure that the defense industry is capable of supplying reliable, affordable systems to operational commanders. Major elements in the program include management of government-owned industrial plants, the Defense Production Act Program, and support for industrial base (IB) activities. IB activities characterize the critical sectors and industries within the industrial base and provide information on industrial capability issues for consideration during key budget allocation, weapon acquisition, and logistic support decision processes. Funds in this appropriation are to support the aircraft procurement segment of Air Force activities.

2. Although the elements of cost are broken down in greater detail, two basic activities are funded in this appropriation: Industrial Plants and Industrial Base Activities.

A.B.C.D.F. and H. Air Force Industrial Plants cost elements. Consists of repair and expansion, major rehabilitation, environmental compliance, equipment movement and energy conservation at DoD-owned, contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, F-117 and future F-22.

E. Industrial Base Activities cost element. Provides for identification, analysis, and limited pilots and/or pathfinders for problems, constraints, essential and endangered capabilities in the industrial base sectors (aircraft). Collection and maintenance of industrial (aircraft) data supports affordable acquisition and sustainability requirements.

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PROGRAM COST BREAKDOWN		Date: FEB 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS	

(Total Cost in Millions of Dollars)

ELEMENT OF COST	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY
A. EXPANSIONS	1000								
B. PACKING, CRATING, & HANDLING	2000								
C. CAPITAL TYPE REHABILITATION	3000			8.672		5.917		5.405	
D. REPLACEMENT & MODERNIZATION	4000			5.315		3.612		0	
E. INDUSTRIAL BASE ASSESSMENT	6000			4.601		4.401		3.765	
F. ENVIRONMENTAL PROTECTION	7000			19.804		19.183		16.685	
G. INDUSTRIAL MODERNIZATION	8000								
H. ENERGY CONSERVATION	9000								
TOTALS				38.392		33.113		25.855	
								27.833	

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**FY 98 PRESIDENT'S BUDGET
BP 17 WAR CONSUMABLES
FEBRUARY 1997**

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**FY 98 PRESIDENT'S BUDGET
BP 17 WAR CONSUMABLES
FEBRUARY 1997**

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE	
APPROPRIATION/BUDGET ACTIVITY							BUDGET PROGRAM 1700 OVERVIEW	
APAF/WAR CONSUMABLES								
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY								
COST (In Mil)	\$24.615	\$56.243	\$67.565	\$59.699	\$65.927	\$84.288	\$92.472	\$132.118

A. DESCRIPTION/FUNCTION: This program provides initial/replacement War Consumables, and includes commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP), Missile Rail launchers and RF (expendable) Towed Decoys. These items (applicable to more than one weapon system) are used to support War Reserve Materiel (WRM) requirements or fleet inventory objectives.

B. PURPOSE OF PROCUREMENT: Items are being procured to fill deficits in WRM levels or fleet inventory objectives.

C. APPLICATION: Air Force maintained aircraft weapons systems.

D. REQUIREMENTS: Items required include launchers, adapters, and RF Towed Decoys.

E. SUMMARY of FY98-99 PROCUREMENTS:

ITEM	QTY	FY98 cost	(\$ in Millions)	QTY	FY99 cost
1) LAU-118(V)4/A ALIC Launcher	94	\$ 8.206		94	\$ 8.474
2) LAU-117A(V)3 Missile Launcher	605	\$20.279		606	\$20.916
3) Adapter, ADU-552/A	185	\$ 1.944		185	\$ 2.002
4) RF Towed Decoys	1403	\$37.136		1094	\$28.307
TOTAL		\$67.565			\$59.699

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE LAU-118(V)4/A w/ACFT LAUNCHER INTERFACE COMPUTER (ALIC)								
APAF/WAR CONSUMABLES		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
QUANTITY	0	0	94	94	0	0	0	0		
COST (In Mil)	\$0.0	\$0.0	\$8,206	\$8,474	\$0.0	\$0.0	\$0.0	\$0.0		

A. DESCRIPTION/FUNCTION: The LAU-118(V)4/A ALIC Launcher is applicable to the F-16 aircraft. It is attached to the aft section of the LAU-118(V)4/A HARM Launcher and provides an interface to the AGM-88 (HARM) anti-radiation missile. This interface is provided through the F-16 C/D AGM-65 (Maverick) missile system and supplies missile targeting/tracking data and launch signals to on-board AGM-88 HARM missiles for defense suppression capability.

B. PURPOSE OF PROCUREMENT: The Launchers are intended to replace those that are jettisoned in wartime. Normal peacetime stocks are insufficient to sustain projected wartime sortie rates. Funding in FY98/99 procures WRM deficits for this item.

C. IMPACTS: Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997	
(Cost in thousands of dollars)											
C. P-1 ITEM NOMENCLATURE: LAU-118(v)4/A ALIC LAUNCHER											
B. APPROPRIATION/BUDGET ACTIVITY											
APAF/WAR CONSUMABLES											
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY 1998	TBD	C/FFP	AFMC/ASC	JAN 98	OCT 98	94	\$87,302.00	YES	NO		
FY 1999	TBD	C/FFP	AFMC/ASC	JAN 99	OCT 99	94	\$90,147.30	YES	NO		

D. REMARKS		
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE						
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES		P-1 ITEM NOMENCLATURE LAU-117A(v)3 MISSILE LAUNCHER						
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	0	0	605	606	0	0	0	0
COST (In Mil)	\$0.00	\$0.00	\$20.279	\$20.916	\$0.00	\$0.00	\$0.00	\$0.00

- A. **DESCRIPTION/FUNCTION:** The LAU-117A(v)3 Missile Launcher is a single-rail launcher for the AGM-65 (Maverick) missile used on fighter aircraft (A-10, F-15, and F-16).
- B. **PURPOSE OF PROCUREMENT:** The Launchers are intended to replace older version Launchers that are jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements.
- C. **IMPACTS:** Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE: LAU-117A(V)3 MISSILE LAUNCHER						
APAF/WAR CONSUMABLES										
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1998	UNKNOWN	C/FFP	AFMC/OO-ALC	APR 98	JAN 99	605	\$33,513.90	YES	NO	
FY 1999	UNKNOWN	C/FFP	AFMC/OO-ALC	APR 99	JAN 00	606	\$34,517.20	YES	NO	

D. REMARKS		P-1 SHOPP LIST ITEM NO. 70		PAGE NO.	Exhibit P-5a Procurement History and Planning
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FY00-00 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: LAU-117A(V)3 MISSILE LAUNCHER										DATE: FEBRUARY 1987										L A T E R									
ITEMMFG		S E R V		PROC ACCT		BAL		QTY		PRIOR DUE		10x		99		99		99		99		99		99		99		99		99		99		99		99		99	
PROCUREMENT YEAR		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		FY 2014		FY 2015		FY 2016	
TOTAL		1211		455		766		50		50		50		50		50		50		50		50		50		50		50		50		50		50		50		50	
MANUFACTURER'S NAME AND LOCATION		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN		UNKNOWN	
REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:		REMARKS:	
ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME		ADMIN LEAD TIME	
PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT		PR 1 OCT	
AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT		AFT 1 OCT	
INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL		INITIAL	
REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER		REORDER	
TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT		TOTAL AFTER 1 OCT	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE	FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE						
APAF/WAR CONSUMABLES		ADAPTER, ADU-552/A						
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	704	0	185	185	0	0	0	0
COST (In Mil)	\$7.182	\$0.00	\$1.944	\$2.002	\$0.00	\$0.00	\$0.00	\$0.00

- A. DESCRIPTION/FUNCTION: The Guided Missile Launcher Adapter, ADU-552/A, is used to adapt the LAU-128 missile launcher to the inboard pylon on F-15A-D Multi-Stage Improvement Program (MSIP) modified aircraft and F-15E aircraft.
- B. PURPOSE OF PROCUREMENT: The ADU-552/A adapters are intended to replace those jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements.
- C. IMPACTS: Lack of available WRM stocks prevent sustainment of projected wartime sortie rates for F-15's configured for LAU-128 missile launchers.

P-1 SHOPP LIST ITEM NO. 70		PAGE NO.
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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1997
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY										
APAF/WAR CONSUMABLES										
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL

C. P-1 ITEM NOMENCLATURE: ADAPTER, ADU-552/A

FY 1996	Federal Prison Industries (FPI) - UNICOR Phoenix, AZ	C/FP	AFMC/WR-ALC	SEP 96	OCT 97	704	\$10,202.00			
FY 1998	FPI - UNICOR Phoenix, AZ	OPTION	AFMC/WR-ALC	OCT 97	OCT 98	185	\$10,508.00	YES	NO	
FY 1999	FPI - UNICOR Phoenix, AZ	OPTION	AFMC/WR-ALC	OCT 98	MAR 99	185	\$10,823.00	YES	NO	

			Exhibit P-5a Procurement History and Planning		
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P-1 SHOPPING LIST
ITEM NO. 70

Page 1 of 2 Pages
Exhibit P-21 Production Schedule

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE								
APAF/WAR CONSUMABLES		ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed Decoy								
FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003			
0	975	1403	1094	1325	1992	2600	4855			
COST (in Mil)	\$0.0	\$27.247	\$37.136	\$28.307	\$33.836	\$51.428	\$63.682			\$103.215

A. DESCRIPTION/FUNCTION: The AAED (Radio Frequency (RF) Towed Decoy) is part of the AN/ALE-50 RF Towed Decoy System which integrates the AAED onto both F-16 and B-1B aircraft. It provides RF protection for the aircraft by acting as an RF repeater to decoy threat systems that engage it, resulting in increased miss distance. The AN/ALE-50 RF Towed Decoy System enhances each platform's countermeasures capability against modern RF missile threats. Major system components for the F-16 are the AAED (includes towline assembly & canister), magazine and a launcher/controller mounted in a modified 16-S-350 pylon. Major system components for the B-1B are the AAED (includes towline assembly & canister), magazine, launcher, launch controller and fairings.

B. PURPOSE OF PROCUREMENT: FY97 - FY99 includes requirements for fielding AAED's for F-16 and B-1B aircraft.

C. IMPACTS: Lack of available decoys prevents sustainment of projected wartime sortie rates, impeding wartime missions.

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1997			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES							C. P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed Decoy			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1997	E. Systems, a Raytheon Co. Goleta, CA	SS/FPIF	AFMC/ASC	Dec 96	Jan 98	975	\$27,945.64			
FY 1998	SAME	OPTION - FPIF	AFMC/ASC	Dec 97	Jan 99	1403	\$26,468.99	YES	NO	
FY 1999	SAME	OPTION - FPIF	AFMC/ASC	Dec 98	Jan 00	1094	\$25,874.78	YES	NO	

D. REMARKS	
P-1 SHOPP LIST ITEM NO. 70	Exhibit P-5a Procurement History and Planning

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FY 1989 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY										DATE: FEBRUARY 1987																																							
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 87										FISCAL YEAR 88										FISCAL YEAR 89										L A T E R																			
										CALENDAR YEAR 87										CALENDAR YEAR 88										CALENDAR YEAR 89																													
S E R V										QTY										PROC										ACPT BAL										96 98 96																			
1-04										1-04										1-04										1-04										1-04																			
FY 1987 LOT 1										AF										975										0										975										0									
FY 1988 LOT 2										AF										1403										0										1403										0									
FY 1989 LOT 3										AF										1084										0										1084										0									
TOTAL										3472										0										3472										0																			
MANUFACTURER'S NAME AND LOCATION										E. Systems, a Raytheon Co. Goleta, CA										25										3600										25																			
MIN										MAX										CHD+										25																													
PR 1 OCT										AFT 1 OCT										2										13										15																			
INITIAL										REORDER										13										13																													
PROCUREMENT LEAD TIME										ADMIN LEAD TIME										MANUFACTURING TIME										TOTAL AFTER 1 OCT																													
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP																													
REMARKS:																																																											

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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY
(AAED); RF Towed Decoy

ASSETS

On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:
FY98:
FY99:
FY00:
FY01:
TOTAL DISPOSALS (____ MONTHS)
PROCUREMENT LEADTIME: 15 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY97
FY96
FY95
FY94
FY93

INVENTORY OBJECTIVE

Number of Combat Loads
Assets Required for Combat Loads
Combat Expenditures
War Reserve Requirement
Annual Training
Annual Testing
Maintenance Pipeline
Air Force Requirement
Air National Guard Requirement
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY98 Requirement
Less Net Assets
Required FY98 Procurement
Planned FY98 Procurement

Total FY99 Requirement
Less Net Assets
Less FY98 Planned Procurement
Required FY99 Procurement
Planned FY99 Procurement

P-1 SHOPPING LIST
ITEM NO. 70

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Exhibit P-20 Requirements Study

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BUDGET ITEM JUSTIFICATION SHEET									DATE	
APPROPRIATION/BUDGET ACTIVITY				P-1 NOMENCLATURE					Feb-97	
AIRCRAFT PROCUREMENT, AF/ BA 07 AIRCRAFT SUPPORT EQ & FACILITIES				MISCELLANEOUS PRODUCTION CHARGES						
	FY(PY) 96	FY(CY) 97	FY(BY) 98	FY(BY+1) 99	FY(BY+2) 00	FY(BY+3) 01	FY(BY+4) 02	FY(BY+5) 03		
QUANTITY	0	0	0	0	0	0	0	0		
COST										
(in thousands)	171,416	194,326	275,804	359,047	247,600	342,343	330,708		322,853	

These programs provide for items which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contain certain classified programs.

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**FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES
(Dollars in Thousands)**

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY99</u>
Classified Programs	27,587	44,908	128,010	112,414
C-5 Airborne Broadcast Intelligence (ABI)	0	0	1,518	1,433
Command and Control Module (Silver Bullet)	0	0	4,937	0
ECM Support	9,447	0	0	0
Electronic Warfare Integrated Reprogramming	0	0	5,431	5,949
F-22	0	0	0	2,974
Interim Contractor Support	1,166	2,569	633	548
KC-135 Airborne Broadcast Intelligence (ABI)	0	0	1,525	1,562
LANTIRN	202	0	0	0
Manned Destructive Suppression	0	0	0	10,465
NAVSTAR GPS (User Equipment)	40,191	32,175	43,685	45,076
NATO Alliance Ground Surveillance	0	0	0	93,195
NATO AWACS Modernization	50,423	86,602	69,823	65,900
Pollution Prevention	6,742	6,869	3,911	1,964
Range Improvement	3,658	21,203	10,110	17,567
TARS Podded Reconnaissance System	32,000	0	6,221	0
TOTAL COST	171,416	194,326	275,804	359,047

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**FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES
(Dollars in Thousands)**

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE

Special Evaluation Program	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
Compass Call	2,766	25,290	7,122	621
	5,736	0	0	24,647
Classified Programs	19,085	10,912	18,224	42,306
Advanced Program Evaluation	0	8,706	102,664	44,840
TOTAL COST	27,587	44,908	128,010	112,414

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: C-5 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: C-5

DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect aircraft from hostilities during combat operations. The ABI system addresses this deficiency and increases aircrew survivability by providing aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness and enables aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. These systems are intended to be interchangeable between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required. This project is a new start to modify and integrate on the C-5 previously developed intelligence communication and display equipment.

PROJECTED FINANCIAL PLAN:

FY 96 FY 97 FY 98 FY 99

BASIS FOR COST ESTIMATE:

	0	0	1,518	1,433
TOTAL COST	0	0	1,518	1,433

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Command and Control Module (Silver Bullet)

MODELS OF AIRCRAFT APPLICABLE: C-141, C-17, KC-10

DESCRIPTION/JUSTIFICATION: The Silver Bullet is a deployable (palletized) communications and Distinguished Visitor comfort package designed to fit on C-141, C-17, and KC-10 aircraft. The Silver Bullet provides a means for senior military and executive officials to work, conference, and rest onboard military aircraft while enroute to deployed locations. The ability to maintain contact with military forces and to keep abreast of rapidly changing situations is provided with onboard communications that include secure and non-secure voice/data/fax world-wide via UHF SATCOM, INMARSAT, and HF. Use of the Silver Bullet allows senior military and government officials to fly into austere locations where support for official government aircraft is non-existent. The FY98 request will procure two Silver Bullet Command and Control Modules.

PROJECTED FINANCIAL PLAN:

FY 96 FY 97 FY 98 FY 99

BASIS FOR COST ESTIMATE:

Silver Bullet	0	0	4,937	0
TOTAL COST	0	0	4,937	0

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Electronic Warfare Integrated Reprogramming (EWIR)

MODELS OF AIRCRAFT APPLICABLE: F-16, F-15, A-10, B-52, B-1B, MC-130, AC-130, MH-53J, MH-60, EF-111

DESCRIPTION/JUSTIFICATION: This program provides electronic countermeasure (ECM) support of the Electronic Warfare Avionics Integration Support Facility (EWAISF) for the EWIR process. The EWAISF is the primary support facility in the development, configuration management, maintenance and testing of electronic warfare system software and reprogramming support tools for Air Combat Command, Air Force Special Operations Command, and Air Mobility Command electronic warfare systems.

PROJECTED FINANCIAL PLAN:

<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
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BASIS FOR COST ESTIMATE:

0	0	5,431	5,949
0	0	5,431	5,949

TOTAL COST

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Funds provide logistics support suite for the transition to organic capability for NAVSTAR GPS (User Equipment).

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
--	--------------	--------------	--------------	--------------

BASIS FOR COST ESTIMATE:

NAVSTAR GPS (User Eq)	1,166	2,569	633	548
TOTAL COST	1,166	2,569	633	548

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: KC-135 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: KC-135S

DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect aircraft from hostilities during combat operations. ABI addresses this deficiency and increases aircrew survivability by providing aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness thus enabling aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. These systems are intended to be transferred between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required. This project is a new start to modify and integrate on the KC-135 previously developed intelligence communication and display equipment.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	0	0	1,525	1,562
TOTAL COST	0	0	1,525	1,562

BASIS FOR COST ESTIMATE:

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: NAVSTAR Global Positioning System (GPS) User Equipment

MODELS OF AIRCRAFT APPLICABLE: C-17A, C-130, E-8, and F-117

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment and associated costs for the above aircraft. This program also includes production engineering, testing, and other support to all GPS modifications.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
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BASIS FOR COST ESTIMATE:

Non-recurring/Integration	40,191	32,175	43,685	45,076
TOTAL COST	40,191	32,175	43,685	45,076

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: NATO AWACS Modernization

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area of operation. This project provides the U.S. contribution to the NATO Airborne Early Warning and Control Near-Term Modernization Program to update NATO E-3s with capabilities similar to the U.S., United Kingdom, and French E-3s under the 1990 addendum to the Multilateral Memorandum of Understanding. Upgrades include the anti-jam radio (Have Quick A-Nets), JTIDS TADIL J data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO Cooperative developments include Electronic Support Measures (ESM), and the Radar System Improvement Program (RSIP). NATO AWACS also includes the U.S. contributions to the Mid-Term Modernizations Program beginning in FY98. Some of the upgrades identified for the mid-term effort include man-machine interface, multi-sensor integration, digital communications, and satellite communications. Near- and mid-term projects will maintain fleet operational effectiveness and interoperability well into the 21st century. An amendment to the 1990 Multilateral Memorandum of Understanding addendum is planned for 12 nation signature by June 1997.

PROJECTED FINANCIAL PLAN:

FY 96 FY 97 FY 98 FY 99

BASIS FOR COST ESTIMATE:

AWACS - Near-Term	50,423	86,602	44,451	22,366
AWACS - Mid-Term	0	0	25,372	43,534
TOTAL COST	50,423	86,602	69,823	65,900

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DATE: Feb 97

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: NATO Alliance Ground Surveillance (AGS)

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: NATO has identified a requirement for an Alliance Ground Surveillance (AGS) capability. It has also determined that this system should be NATO-owned and operated, similar to NATO AWACS. Current U.S. effort defines an AGS system within the NATO architecture based on Joint STARS to enable operational and tactical commanders to make and execute battle decisions. These production funds and the accompanying RDT&E funds initiate a two-phased U.S. government effort to provide for NATO, from airborne platforms, near-real-time surveillance and targeting information on moving and stationary ground targets (enhanced to include maritime operations), slow moving rotary and fixed-wing aircraft, and rotating antennas. Phase I develops minimum modifications to U.S. Joint STARS baseline to support NATO interoperability (i.e., TADIL-J (Link 16) and surveillance and control data link (SCDL) messages and man-machine interface and system databases). Modifications will be incorporated onto two U.S. Joint STARS (P-10 and P-12) diverted from the U.S. production line. A January 1998 award supports a December 2000 delivery of the first NATO aircraft. Phase II is a US/NATO cooperative development effort of system enhancements (radar, satellite communications and wide-band data line). Radar enhancements include enhanced synthetic aperture radar (ESAR), inverse SAR, swath SAR, and maritime mode.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
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BASIS FOR COST ESTIMATE:

NATO AGS	0	0	0	93,195
TOTAL COST	0	0	0	93,195

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DATE: Feb 97

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Orders 12856 and 12873, the DoD Comprehensive Pollution Prevention Strategy, and the Air Force Pollution Prevention Strategy. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to the air, land, and water. It includes requirements such as refrigerant recovery equipment, recycling equipment, efforts to reduce solid waste generation, enhanced hazardous material management practices, hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
--	--------------	--------------	--------------	--------------

BASIS FOR COST ESTIMATE:

PROGRAM COST	6,742	6,869	3,911	1,964
TOTAL COST	6,742	6,869	3,911	1,964

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DATE: Feb 97

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: Range Improvement

MODELS OF AIRCRAFT APPLICABLE: A-10, F-15, F-16, F-111

DESCRIPTION/JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and operational testing of weapon systems and tactics under simulated combat conditions. Originally, range instrumentation systems were known as Air Combat Maneuvering Instrumentation (ACMI) systems. However, the nomenclature has changed over the years to better reflect system upgrades and specific uses of individual systems. The second generation systems, capable of handling 36 aircraft simultaneously, are referred to as Measurement and Debriefing Systems (MDS). The overall range instrumentation systems are now known as Air Combat Training Systems, are interoperable with Navy ranges, and provide the capability to train aircrews in air-to-air combat, air-to-ground combat, and electronic warfare, while providing real-time monitoring and control of aircraft during large force exercises and recording events for post-mission debrief and analysis. The pods are airborne systems of ACTS and provide altitude, position, and vector tracking data plus other aircraft avionics and weapon event data. The FY97 effort includes \$8.0M to instrument the Air National Guard Combat Readiness Training Center at Alpena MI.

DEVELOPMENT STATUS: P-4AX, P-4AW, P-4B, and P-4BX pods and associated test sets are complete. The P-4 series contained a radar altimeter, UHF transmitter, and aircrew prompting system. Pods developed/procured beginning in FY95 will have GPS capability.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
ACMI PODS	3,658	21,203	10,110	17,567
TOTAL COST	3,658	21,203	10,110	17,567

BASIS FOR COST ESTIMATE:

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DATE: Feb 97

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FY 1998/1999 BIENNIAL BUDGET ESTIMATE
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: TARS Podded Reconnaissance System

MODELS OF AIRCRAFT APPLICABLE: F-16C, Block 30

DESCRIPTION/JUSTIFICATION: The TARS podded reconnaissance System (PRS) provides the USAF with an 18-20 fighter-based reconnaissance capability to satisfy the requirement for responsive, under-the-weather, high resolution, visible light imagery. The system will consist of electro-optical sensors, a pod management system, and recorder carried in a pod on the F-16, and a small Common Imagery Ground/Surface System (CIG/SS) compliant ground exploitation system. All systems will be operated by the Air National Guard (ANG). The concept of operations distributes the systems (four per squadron) among five ANG F-15 squadrons. FY96 funds procure pods, electro-optical camera package, recorder, sensor management system, ground station, and support equipment. The FY98 request will procure the medium altitude mid-bay sensors.

PROJECTED FINANCIAL PLAN:

	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
AWACS	32,000	0	6,221	0
TOTAL COST	32,000	0	6,221	0

BASIS FOR COST ESTIMATE:

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BUDGET ITEM JUSTIFICATION SHEET					DATE			
APPROPRIATION/BUDGET ACTIVITY:					P-1 NOMENCLATURE			
AIRCRAFT PROCUREMENT, AF/ BA 07, AIRCRAFT SUPPORT EQ & FACILITIES					Common ECM Equipment			
	FY(PY) 96	FY(CY) 97	FY(BY) 98	FY(BY+1) 99	FY(BY+2) 00	FY(BY+3) 01	FY(BY+4) 02	FY(BY+5) 03
QUANTITY								
COST (in thousands)	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783

These programs provide for electronic countermeasures and related support equipment which (1) is not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, and (3) can be managed as separate end items. This procurement line item also contains certain classified programs.

ALQ-184/ALQ-131	<u>FY(PY) 96</u>	<u>FY(CY) 97</u>	<u>FY(BY) 98</u>	<u>FY(BY+1) 99</u>	<u>FY(BY+2) 00</u>	<u>FY(BY+3) 01</u>	<u>FY(BY+4) 02</u>	<u>FY(BY+5) 03</u>
	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783
	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,783

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BUDGET ITEM JUSTIFICATION SHEET							DATE	
APPROPRIATION/BUDGET ACTIVITY				P-1 NOMENCLATURE				
AIRCRAFT PROCUREMENT, AF/BA 07, AIRCRAFT SUPPORT EQ & FACILITIES				ALQ-184/ALQ-131				
	FY(PY) 96	FY(CY) 97	FY(BY) 98	FY(BY+1) 99	FY(BY+2) 00	FY(BY+3) 01	FY(BY+4) 02	FY(BY+5) 03
QUANTITY								
COST (in thousands)	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,738
MISSION AND DESCRIPTION: This project supports the acquisition of kits to modify the ALQ-119 into the ALQ-184 and ALQ-131 Block II pod configurations to counter terminal and airborne interceptor radar systems.								
PROGRAM JUSTIFICATION: The FY98 and FY99 funding provides for software upgrades, ECPs, program support, and product improvement. The FY00 request provides funding for software upgrades, ECPs, program support, and product improvement to continue the effort.								
ALQ-184/ALQ-131	<u>FY(PY) 96</u>	<u>FY(CY) 97</u>	<u>FY(BY) 98</u>	<u>FY(BY+1) 99</u>	<u>FY(BY+2) 00</u>	<u>FY(BY+3) 01</u>	<u>FY(BY+4) 02</u>	<u>FY(BY+5) 03</u>
	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,738

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AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Aircraft Model		B. Popular Name ALQ-184/131		C. Manufacturer Raytheon		D. Date Feb-97	
	QTY		QTY		QTY		QTY	
	FY 96	0	FY 97	0	FY 98	0	FY 99	0
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME/CFE								
2. ENGINE/ACCESSORIES (PER A/C) (Engine Model:)								
3. AVIONICS: CFE GFE								
4. ARMAMENT								
5. OTHER GFE								
6. ECO (ALL FLY-AWAY COMPONENTS)								
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLY-AWAY COSTS		0		0		0		0
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE								
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH DATA								
15. ECO (ALL SUPPORT ITEMS)		4,706		4,571		4,564		5,151
16. OTHER								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COSTS		4,706		4,571		4,564		5,151
19. GROSS P-1 COST		4,706		4,571		4,564		5,151
20. LESS: PRIOR YEAR ADV PROC		0		0		0		0
21. NET P-1 COST		4,706		4,571		4,564		5,151

EXHIBIT P-5

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PROCUREMENT HISTORY AND PLANNING					P-1 ITEM NOMENCLATURE					DATE: Feb 97	
APPROPRIATION/BUDGET ACTIVITY					ALQ-184/131						
AIRCRAFT PROCUREMENT/AF, BA 07, AIRCRAFT SUPPORT EQ & FACILITIES											
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW?	SPECS REVISION REQUIRED?	IF YES, WHEN AVAIL?
Kit FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	Yes	No	N/A
REMARKS: Contract is an FY88 document with dates, prices, and deliveries established as annual options.											

P-1 Shopping List

EXHIBIT P-5a

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BUDGET ITEM JUSTIFICATION SHEET		Date: FEB 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07,AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	Defense Airborne Reconnaissance Program (DARP)	

	FY 1996	FY 1997	FY1998	FY1999	FY2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	203.5	150.7	141.5	157.9	128.0	114.5	112.1	111.3

MISSION AND DESCRIPTION:

Information pertaining to DARP programs is classified and available on a need-to-know basis.

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